

INTRODUCTION

MEMORANDUM OF INSTRUCTIONS

Sponsor and Channel for Comments

1. (1) This publication is sponsored by the Director of Supply Management 1 (RAF) and lists the parts embodied in the Bulldog T. Mk. 1 aircraft.
- R (2) Any unsatisfactory feature of this publication is to be reported on M.O.D. Form 765 as appropriate, in accordance with:
 - Naval Aircraft Maintenance Manual (R.N.)
 - EMER Aircraft A040 (ARMY)
 - AP100B—01, Order 0504 (R.A.F.)
- (3) RAF Vocabulary Section 26 NS has been allotted to spare parts which are peculiar to this equipment/aircraft.

Demands

2. (1) The demand must quote the appropriate Vocabulary Section and Reference Number for each item. Unreferenced parts are not normally provisioned as spares and demands for such items must quote the Vocabulary Section, Makers Part Number, and the name and type of aircraft. The location of each part within the equipment should be clearly indicated.
- (2) Demands are to be prepared in accordance with the procedure laid down in AP830, Volume 1.

Local manufacture

3. Parts annotated "LM" are to be manufactured from local resources. If the manufacture of such items is beyond the capacity of the unit, the demand is to be endorsed "Unable to manufacture locally".

Major repair

4. "MR" indicates that an item is required for major repair purposes only and will not normally be held in store by units other than those authorised to undertake major repair of the equipment.

Units per assembly

5. The number quoted is the quantity required per next higher assembly in the position shown except "attaching parts" which quote the quantity required to attach one item. The letters "AR" in the "Units per Assy" column indicate that the quantity is "as required". Where applicable, the quantity normally fitted is shown as a nominal figure e.g. (Nom. 3). Where an item is listed only for reference purposes, only the letters "(RF)" are quoted.

Classification of equipment

6. The class of store is indicated by a single letter as laid down in AP830, Volume or B.R. 4. Condition of supply (Interchangeability Code - ICY).
7. Condition of Supply is indicated by one of the following codes and is only quoted against parts which are not directly interchangeable.

V	Open up holes on assembly	Y	Drill, or drill and tap on assembly
W	Partially assembled		
X	Ream or machine on assembly	Z	Trim on assembly

Obsolescent stock

8. An asterisk in the "Part No." column indicates that no further purchases of the item will be made, but the part is to be used until stocks are exhausted.

Modifications

9. When items are affected by a modification, the "Mod. No" is quoted in nomenclature. Modifications incorporated in the catalogue are listed in the Modification Record.

Amendments

10. Amendments to the catalogue will be published as and when necessary. They will be numbered consecutively and the Amendment Record Sheet is to be completed for each Amendment List embodied. A Summary of Amendment lists distributed is published in Defence Council Instructions.

CATALOGUE INSTRUCTIONS

Detailed Parts List

11. Method of listing:— The Detailed Parts List is compiled on the multi-indentation system in assembly breakdown order. An installation or main assembly commences in Column 1 and comprises all subsequent items listed in breakdown order until the next Column 1 entry. The method of indentation sequence is as follows:—

1 2 3 4 5 6

Installation or main assembly

. Attaching parts for installation or main assembly

. Detail parts of installation or main assembly

. Assembly

. Attaching parts for assembly

. . Detail parts of assembly

. . Sub-assembly

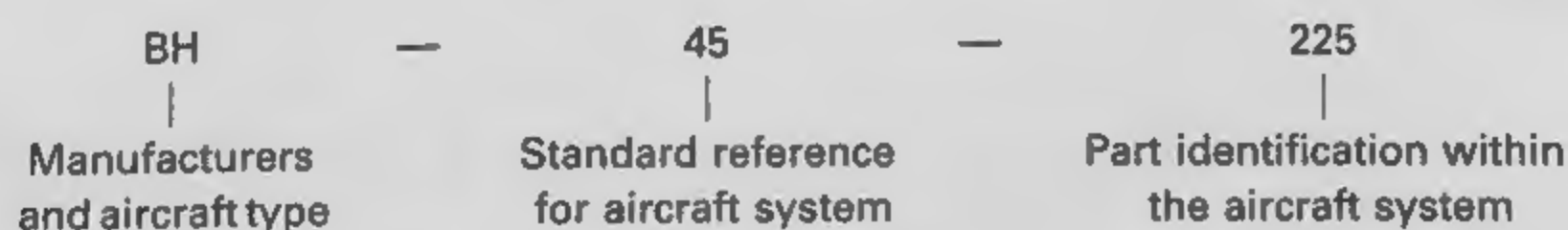
. . . Detail parts of sub-assembly

. . . Sub-sub-assembly

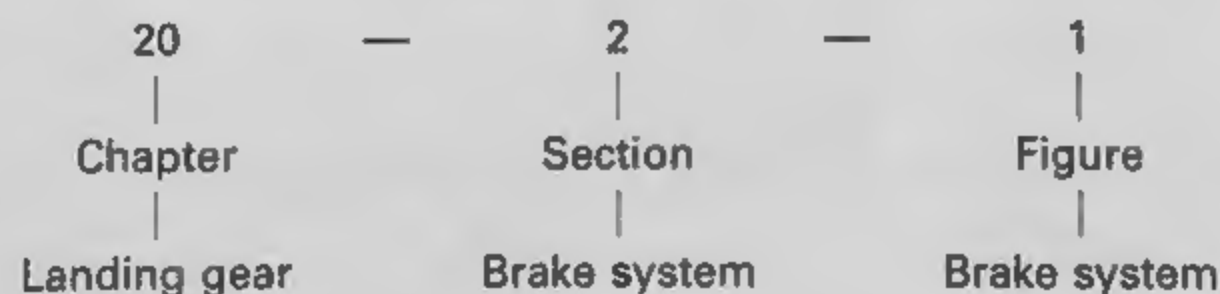
. . . . Detail parts of sub-sub-assembly

12. Attaching parts. Attaching parts are listed immediately beneath the assembly they attach and precede any detail parts of the assembly.

13. Part numbering system. 'Bulldog' part numbers comprises three references which conform to the Society of British Aircraft Constructors standard drawing format and part numbering system as follows:—

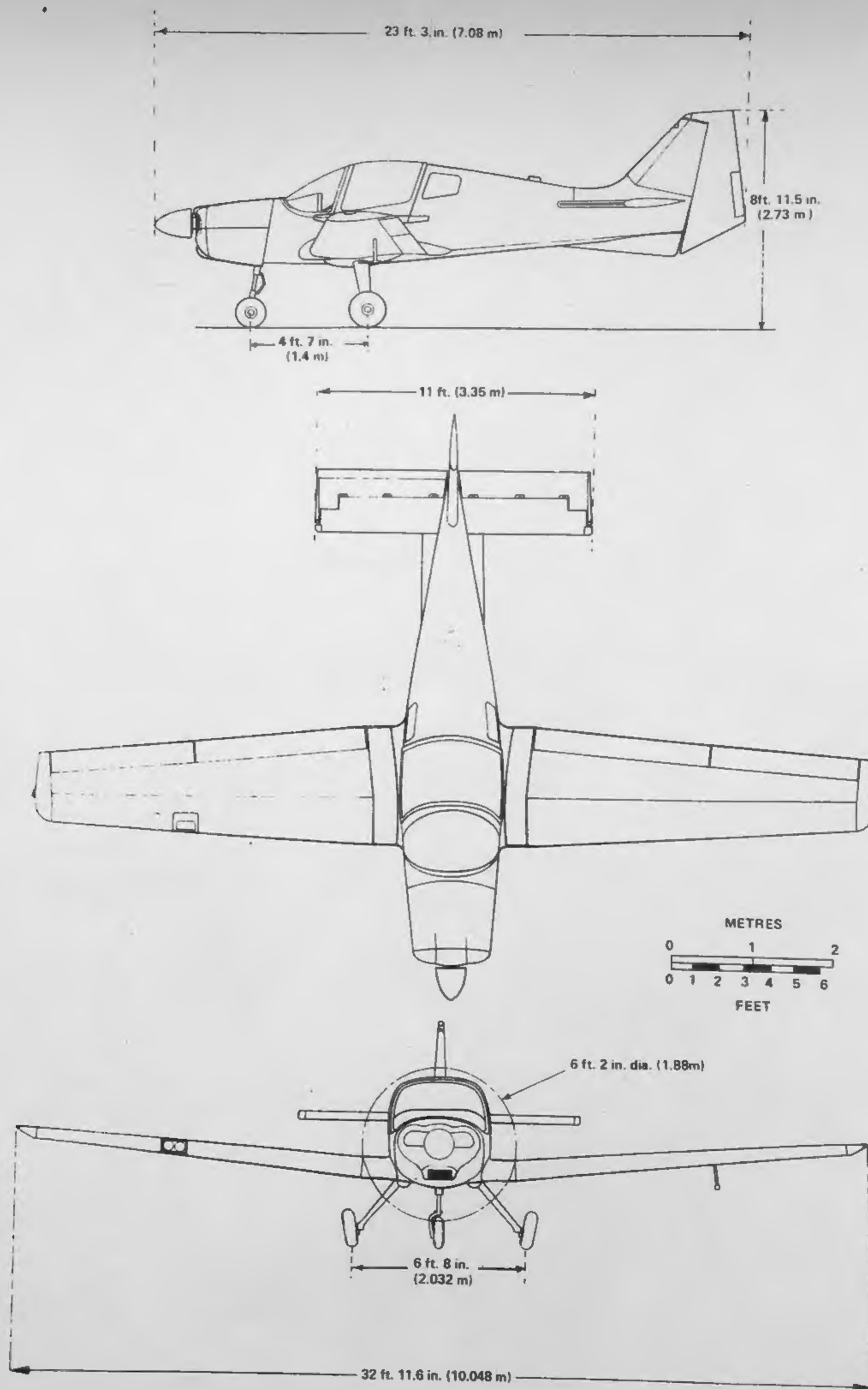


14. Cross-indexing system. A three number system of cross-indexing is used to denote the Chapter, section and figure number item as indicated below:—

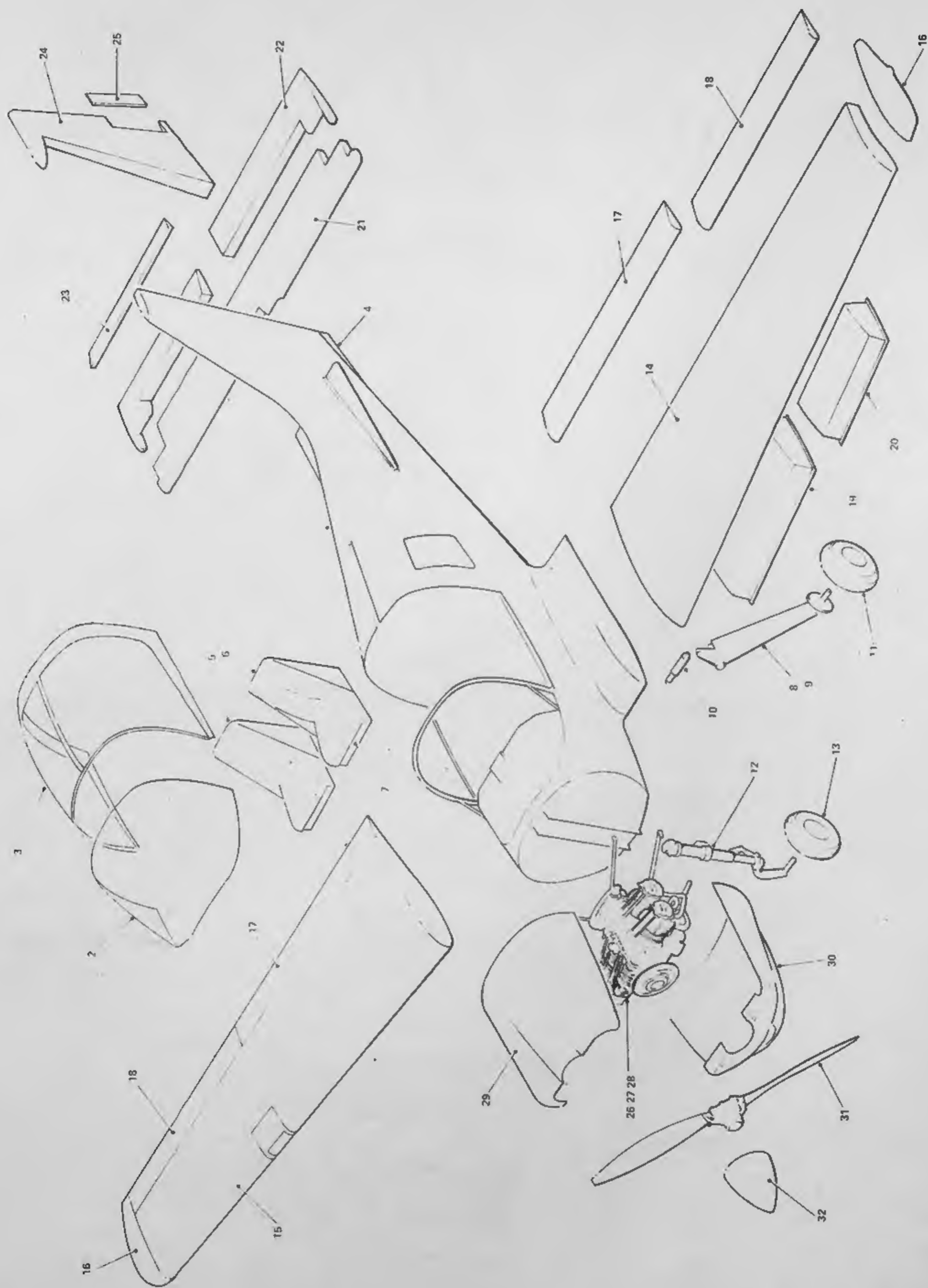


15. Usage code. A usage code system is used to cover variations in parts usage between different models of aircraft as follows.

(To be issued later)



General arrangement



100/SM/19

Major assemblies

MAJOR ASSEMBLIES

Item No.	Component	Weight		Length		Width		Height	
		lb.	Kgs.	ft/in.	M.	ft/in.	M.	ft/in.	M.
1.	Fuselage and fin	270	122.5	17-8	5.37	8-0	2.43	6-4	1.92
2.	Windshield	13	5.9	2-8	0.80	3-7	1.08	2-3	0.67
3.	Canopy	40	18.1	3-10	1.17	4-1	1.24	2-7	0.79
4.	Tail bumper	3	1.4	5-2	1.57	-4	0.00	1-0	0.30
5.	Front seats - Back	8	3.6	2-1	0.63	1-7	0.48	-9	0.23
6.	Squab	6	2.7	1-10	0.56	1-4	0.41	-4	0.10
7.	Cushion	-4	1.8	1-7	0.48	-9	0.23	-5	0.13
8.	Landing gear - Main leg	24	10.9	3-5	1.04	-10	0.24	-9	0.23
9.	Fairing	1	0.5	2-4	0.70	-11	0.28	-5	0.13
10.	Shock absorber	4	1.8	1-1	0.32	-3	0.06	-3	0.07
11.	Main wheel	15	6.8	1-6	0.44	1-6	0.44	-7	0.18
12.	Nose leg	25	11.3	3-0	0.91	-9	0.22	-8	0.20
13.	Nose wheel	10	4.5	1-2	0.34	1-2	0.34	-6	0.14
14.	Mainplane - Port	76	34.5	12-10	3.68	4-8	1.42	-8	0.20
15.	Stbd	76	34.5	12-10	3.68	4-8	1.42	-8	0.20
16.	Tip	1.5	.7	2-9	0.83	-9	0.21	-6	0.14
17.	Flap	6	2.7	6-11	2.10	1-2	0.34	-5	0.13
18.	Aileron	5	2.3	5-11	1.81	1-1	0.32	-4	0.10
19.	Fuel tank - inner	12	5.4	4-0	1.22	1-6	0.46	-8	0.20
20.	Fuel tank - outer	8	3.6	2-9	0.83	1-3	0.37	-7	0.18
21.	Tailplane	21	9.5	11-0	3.37	1-6	0.45	-3	0.07
22.	Elevator	18	8.2	5-3	1.60	2-3	0.68	-3	0.07
23.	Elevator tab	1	0.5	5-3	1.60	-4	0.1	-3	0.07
24.	Rudder	7	3.2	5-6	1.66	3-5	1.03	-8	0.20
25.	Rudder tab	1	0.5	1-8	0.50	-6	0.14	-3	0.07
26.	Power Unit - Engine	340	154.2	2-9	0.83	2-11	0.88	1-9	0.52
27.	Mounting	9	4.1	2-3	0.67	1-9	0.52	1-4	0.41
28.	Exhaust manifold	16	7.3	2-11	0.89	2-9	0.84	1-2	0.36
29.	Top cowling	12	5.4	3-3	0.99	3-7	1.08	-11	0.28
30.	Bottom cowling	11	5.0	3-2	0.95	3-7	1.08	1-9	0.52
31.	Propeller	60	27.2	6-0	1.83	-11	0.28	-11	0.28
32.	Spinner & back plate	5	2.3	1-7	0.47	1-5	0.43	1-3	0.38

INDEX OF REFERENCE NUMBERS

Vocab. Sect.	Ref. No.	Part Number	Chap. No.	Fig. Index	ICY/ MR	C of S/ LM
136B	746	72377	41-1	3-2		
125L	758	A2067	47-1	1-1		
125L	759	A1381	47-1	1-2		
125L	760	A2069	47-1	1-3		C
125L	761	PRP-909-6	47-1	1-5		C
125L	762	AN526C-1032R7	-	-		
125L	766	31-S-094-0750	47-1	1-4		C
125L	771	No.3	20-2	1-49		
			47-1	1-16		
125L	772	1652-B	47-1	1-15		
136B	779	AN914-1K	-	-		
136B	780	AN914-1S	-	-		
136B	782	AN7-42	-	-		
136B	783	AN7-43	-	-		
136B	790	AN5546-1	-	-		
136B	803	75444	40-1	6-5		
28P	832	SP4Y-B6	-	-		
125L	941	A1020	47-1	1-14		
28P	1022	SP4Y-B20	-	-		
27K	1041	A35336	19-1	9-34		C
28P	1075	SP4Y-F23	-	-		
27K	1744	A79818	19-1	9-33		C
6A	2082	SF-74-AM/PC	28-2	1-9		A
5K	6173	SP93-A22	-	-		
5X	7993	MS3108E-16SIS	-	-		
26NB	8303	2600-SW	30-1	2-34		
205CX	8303	9EL-401-955-00	56-1	1-31		
205CX	8304	9NS-401-720-00	56-1	1-32		
205CX	8305	9GD-401-676-00	56-1	1-32		
5X	8373	01-0498	28-2	1-40		
			28-2	1-58		
			56-1	2-25		
			56-1	2-31		
			56-1	2-34		
6A	8878	KTS-0410W	28-2	1-11		A
6A	13768	B3-5-1	28-1	2-15A		
5UC	10295	72HG-20	55-1	1-14		
26NB	10437	2600-2	15-5	3-97		
5CW	10678	D5900	15-1	3-40		
5UE	11028	AM2B6-71	41-1	2-65		
28P	12078	SP4Y-B5	-	-		
5CW	12328	K180-1	56-1	2-29A		C
25DR	13462	AS2808-7-025	-	-		
5CW	13789	SAZ-4401-C1	55-1	1-1		C
28W	14387	AS1903-C10	-	-		
26TA	17899	2600LW	15-5	3-98		
			40-1	3-13		
			40-1	3-25		
			40-1	3-31		
			40-1	3-39		
28M	18673	A110-QT	-	-		
28E	19823	SP91-G	-	-		
28E	19826	SP91-N	-	-		
28E	20019	SP91-K	-	-		
28E	20104	SP91-F	-	-		
28DU	20165	A211-1C	-	-		
28P	20173	SP90-C10	-	-		
6A	21432	2H3-2	28-1	2-15		
36FF	31990	5593221	41-1	2-31A		
105L	80094	GE4593	56-1	1-13		C
28NS	120878	S070 Type 4100	-	-		

Chapter 15

FUSELAGE

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Forward fuselage, lower	15 - 2
Forward fuselage, bottom	15 - 2
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Chapter 15

FUSELAGE

Section 1

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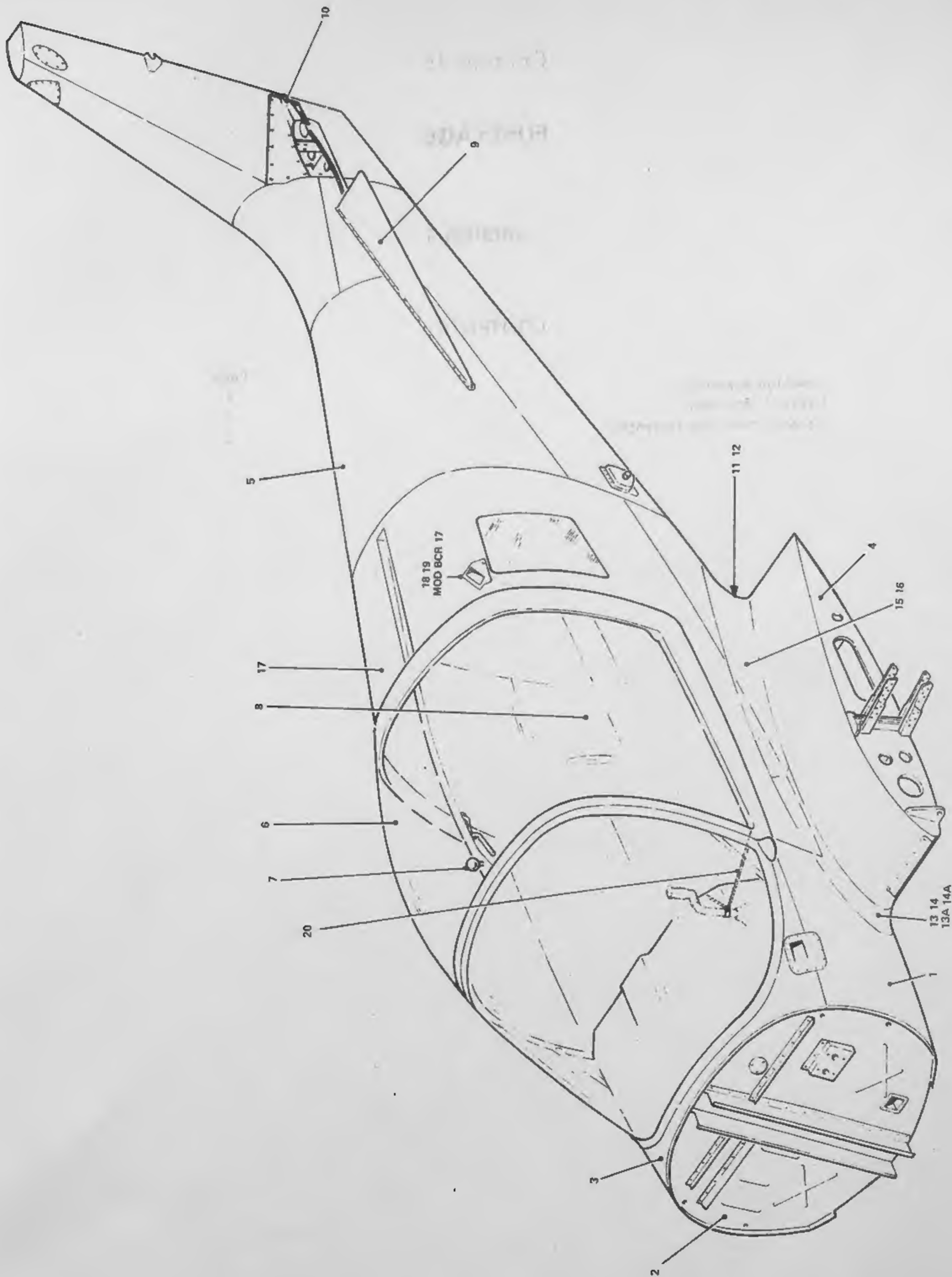


Fig 1 Fuselage assembly

100 SP 114 1

Fuselage
Fuselage Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-10-1867		Fuselage assy.....		1
-1	BH-10-3097		. Fuselage assy,forward lower(Chap 15-2,Fig.2).....	RF	
-2	BH-10-881		. Firewall (Fig.2).....	RF	
-3	BH-10-3093		. Fuselage,forward upper (Chap.15-2 Fig.1).....	RF	
-4	BH-10-1399/1400		. Centre section and stub wings (Chap.15-2 Fig.4).....	RF	
-5	BH-10-003		. Fuselage rear & fin assy (Chap 15-5 Fig.1).....	RF	
-6	BH-15-841P		. Canopy sliding (Chap 15-4 Fig.1).....	RF	
-7	BH-15-867		. Mechanism, canopy (Chap 15-4 Fig.3).....	RF	
-8	BH-10-6149/1650		. Flooring installation (Chap.15-6 Fig.1).....	RF	
-9	BH-10-1587/1588		. Strakes defectors (Chap.17-1 Fig.5).....	RF	
-10	BH-10-003/3		. Fairing,tailplane (Chap.17-1 Fig.5).....	RF	
-11	BH-10-1507		. Fairing assy, centre section port.....	1	
-12	BH-10-1508		. Fairing assy, centre section,stbd.....	1	
-13	BH-10-1523A		. . Fairing, forward port (Pre-Mod 141).....	1	
-13A	BH-10-3683B		. . Fairing, forward port (Mod 141).....	1	
-14	BH-10-1524A		. . Fairing, forward stbd (Pre-Mod 141).....	1	
-14A	BH-10-3684B		. . Fairing, forward stbd (Mod 141).....	1	
-15	BH-10-3600		. . Fairing, aft,starboard (Mod 53).....	1	
-16	BH-10-3599		. . Fairing,,aft,port (Mod 53).....	1	
-17	BH-10-3095		. Fuselage,centre top,stn 100 to sloping b/head.....	1	
R -20	S778-2		. Label (Mod + Serial No).....	1	

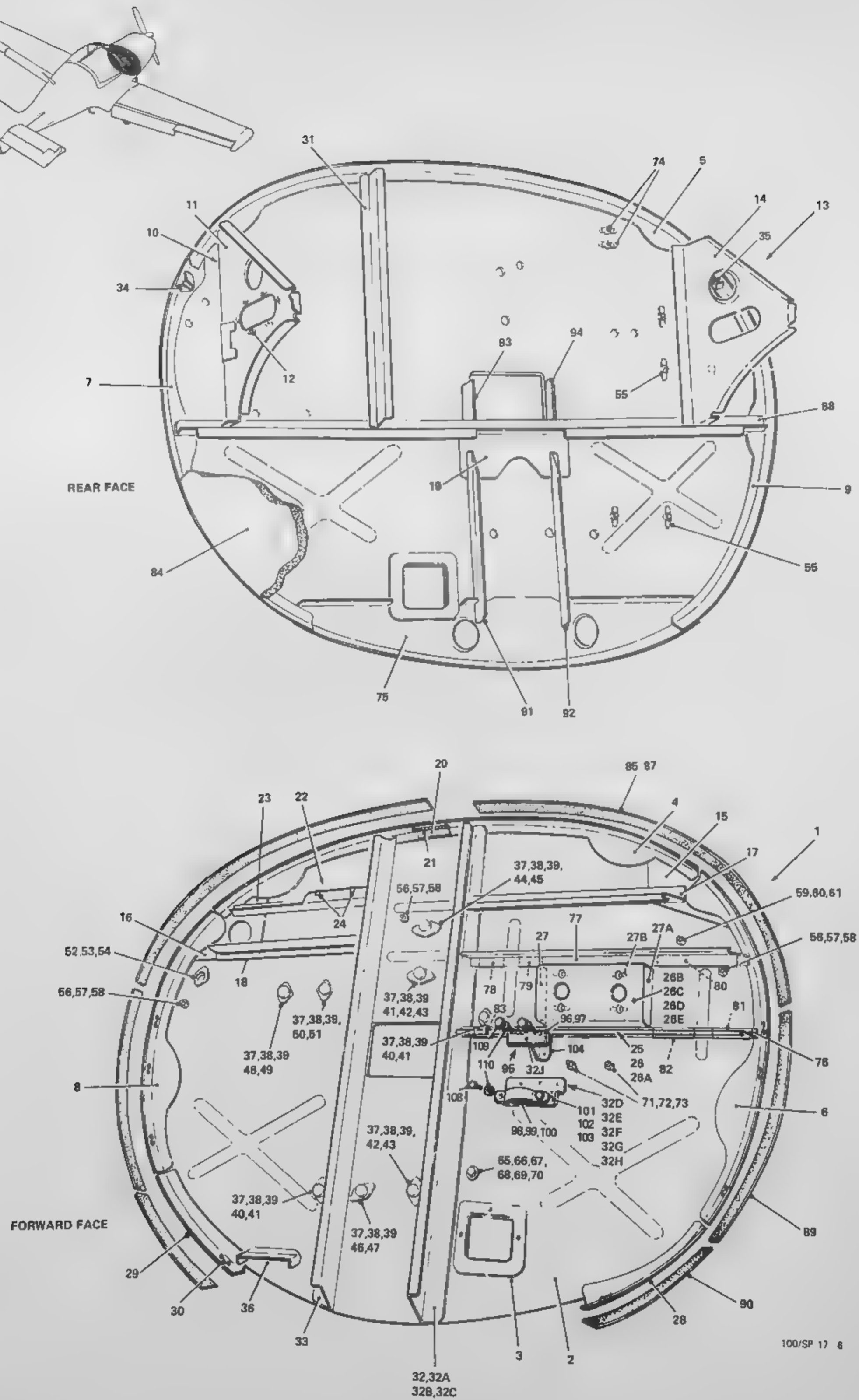


Fig. 2 Firewall assembly

Fuselage
Firewall Assembly

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-10-881		Firewall assy.		RF
-1	BH-10-2029		. Web assy.		1
-2	BH-10-737		. . Web	MR	1
-3	BH-10-2017		. . Doubler		1
-4	BH-10-721		. Angle, top, forward		1
-5	BE-10-10623		. Angle top, aft		1
-6	BH-10-719		. Angle side forward, port		1
-7	BH-10-725		. Angle side aft, port		1
-8	BH-10-720		. Angle side forward, stbd.		1
-9	BH-10-726		. Angle side aft, stbd.		1
-10	BH-10-1517		. Diaphragm assy, port		1
-11	BH-10-079		. . Diaphragm		1
-12	MK-1000-08		. . Nut, anchor (Kaylock)		6
-13	BH-10-1518		. Diaphragm assy, stbd.		1
-14	BH-10-080		. . Diaphragm		1
-15	BH-10-713		. Doubler, port		1
-16	BH-10-141		. Doubler, stbd.		1
-17	BH-10-717		. Stiffener, port		1
-18	BH-10-1309		. Channel		1
-19	BH-10-869		. Angle doubling		1
-20	BH-10-867		. Angle doubling		1
-21	BH-10-2601		. Plate		1
-22	BH-10-2855		. Channel assy		1
-23	BH-10-1305		. . Channel		1
-24	SL211-08-1		. . Nut clip (Shurlock)		2
R -25	BE-10-10543		. Bracket assy., brake cylinder mounting (Pre-Mod. 168)		1
R -26	BH-10-3769		. Bracket assy., brake cylinder mounting (Mod. 168, Pre-Mod. 213)		1
R -26A	BH-10-3819		. Bracket assy., brake cylinder mounting (Mod. 213)		1
R -26B	BE-10-10543/1		. . Channel, mounting (Pre-Mod. 168)		1
R -26C	BH-10-3769A		. . Channel, mounting (Mod. 168, Pre-Mod. 213)		1
R -26D	BH-10-3833		. . Channel, mounting (Mod. 213)		1
■ -26E	LS3		. . Shim .002 in. laminations (Mod. 213)		1
-27	BE-10-10546		. . Cleat, R.H.		1
-27A	BE-10-10545		. . Cleat, L.H.		1
-27B	MF1300-5		. . Nut, anchor (Kaylock)		4
-28	BH-10-3475		. Angle bottom, port, Mod. 70		1
-29	BH-10-3476		. Angle bottom, stbd, Mod. 70		1
-30	S5-200		. Spring, Dzus fastener		8
-31	BE-10-10573		. Member Zed		1
-32	BH-10-1973		. Channel, reinforcing, port (Pre-Mod. 195)		1
-32A	BH-10-3817		. Channel assy., reinforcing, port (Mod. 195)		1
-32B	BH-10-3825		. . Channel, reinforcing (Mod. 195)		1
-32C	BH-10-3801		. . Angle (Mod. 195)		1
-32D	BH-10-3815		. Plate assy., Zed (Mod. 195)		1
-32E	BH-10-3807		. . Packer (Mod. 195)		1
-32F	BH-57-803		. . Plate assy., Zed (Mod. 168) (Mod. 195)		1
-32G	BH-57-803A		. . . Angle (Mod. 168) (Mod. 195)		1
-32H	MF1000-4		. . . Nut, anchor (Mod. 168) (Mod. 195)		2
-32J	BH-10-3805		. Packer (Mod. 195)		1
-33	BH-10-2233		. Channel reinforcing, stbd.		1
-34	BH-10-082		. Bracket, port		1
-35	BH-10-081		. Bracket, stbd.		1
-36	BH-10-1519		. Angle, oil cooler mounting		1
-37	22103-02		. Shield, press fitting (Piper Aircraft Corp.)		8
			Alternative		
	BH-10-779		. Shield, press fitting		8
			Attaching parts		
-38	MK-1000-08		. Nut anchor (Kaylock)		16
-39	A116-1/2C		. Screw, pan hd.		16
-40	BH-10-771		. Grommet, heat control/alternative air		2
-41	BH-10-891		. Gasket, heat control/alternative air		2
-42	BH-10-777		. Grommet, oil temp. cables/CSU control		2
-43	BH-10-897		. Gasket, oil temp. cables/CSU control		2

Fuselage
Firewall Assembly

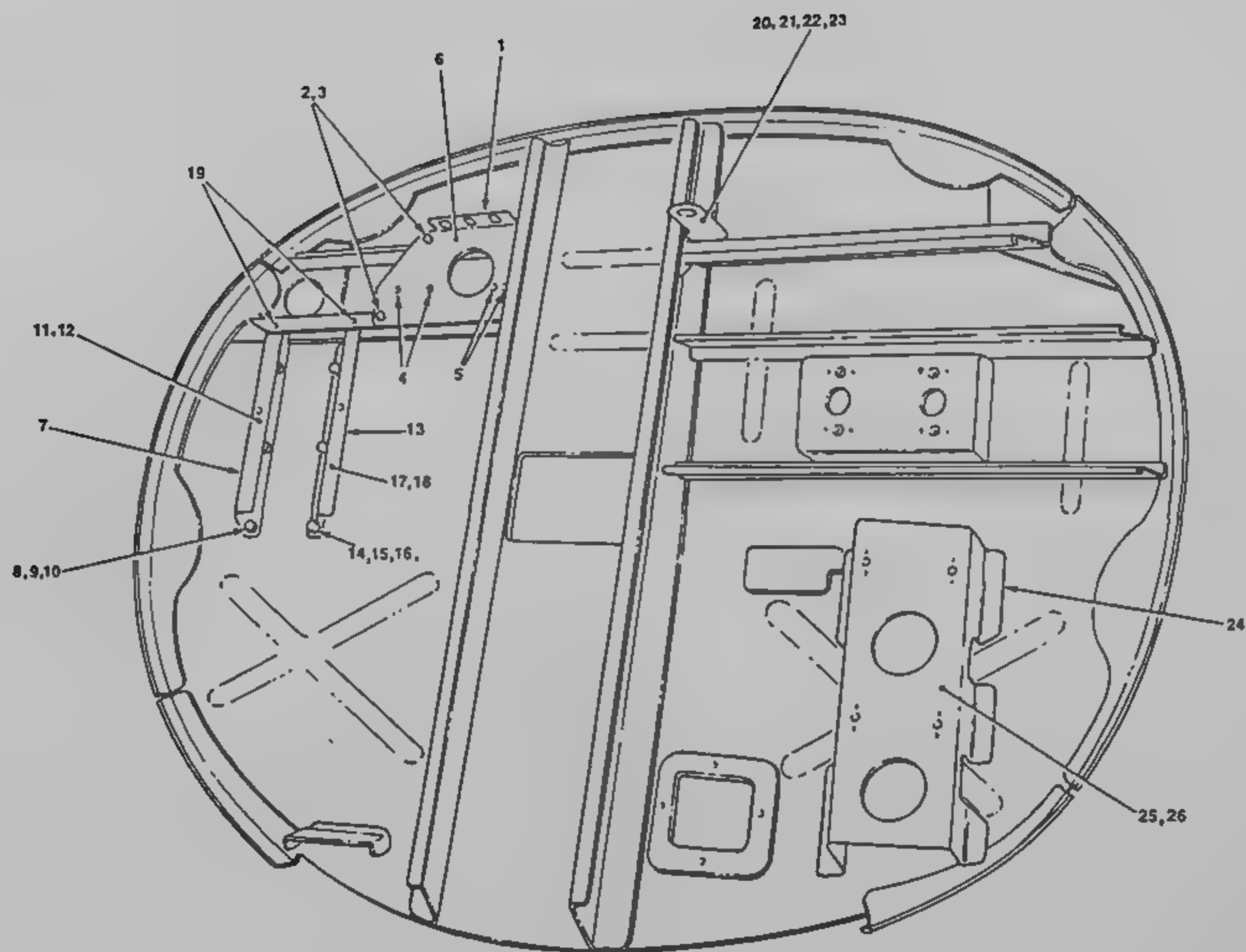
Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-44	BH-10-775	.	Grommet, tacho drive		1
-45	BH-10-895	.	Gasket, tacho drive		1
-46	BH-10-773	.	Grommet, throttle control		1
-47	BH-10-893	.	Gasket, throttle control		1
-48	BH-10-2299	.	Grommet, electric cables		1
-49	BH-10-877	.	Gasket, electric cables		1
-50	BH-10-2301	.	Grommet, electric cables		1
-51	BH-10-2235	.	Gasket, electric cables		1
-52	BH-10-1207	.	Coupling bulkhead vacuum		1
-53	A102-1/2-C	.	Bolt		2
-54	H10-08	.	Nut (Kaylock)		2
-55	MK1000-3BC	.	Nut anchor (Kaylock)		6
-56	AN832-4	.	Coupling, fuel/oil manifold pressure		3
-57	AN906-C716	.	Washer		3
-58	AN924-4	.	Nut		3
-59	AN832-5	.	Coupling, vent		1
-60	AN960-C816	.	Washer		1
-61	AN924-5	.	Nut		1
-65	BH-10-2357	.	Doubler		2
-66	BH-10-2361	.	Bolt, earth post, port		1
-67	SP123-E	.	Washer		4
-68	SP47-E	.	Washer		1
-69	A103-ET	.	Nut		1
-70	A126-E	.	Nut		1
-71	AN832-3	.	Union adaptor, brake system		2
-72	AN960-C616	.	Washer		2
-73	AN924-3	.	Nut		2
-74	MK1000-06	.	Nut anchor (Kaylock)		2
-75	BH-10-2393	.	Member assy, floor		1
-76	BH-10-2407	.	Stiffener		1
-77	BH-10-2409	.	Stiffener		1
-78	BH-10-2411	.	Packer, L72 x 20 SWG, 1.7 in. x 60 in.		1
-79	BH-10-2413	.	Packer, L72 x 20 SWG, 1.5 in. x 60 in.		1
-80	BH-10-2415	.	Packer, L72 x 20 SWG, 4.6 in. x 60 in.		1
-81	BH-10-2417	.	Packer, L72 x 20 SWG, 2.3 in. x 60 in.		1
-82	BH-10-2419	.	Packer, L72 x 20 SWG, 1.8 in. x 60 in.		1
-83	BH-10-2421	.	Packer, L72 x 20 SWG, 4.2 in. x 60 in.		1
-84	BH-18-075	.	Soundproofing, firewall (Chap. 30-1, Fig. 4)		RF
-85	BH-10-2401	.	Strip rubbing, Neoprene		1
-87	528	.	Adhesive (Evostick) (Ref. No. 33H/243)		A/B
-88	BH-10-879	.	Member reinforcing, aft		1
-89	BH-10-2743	.	Strip, rubbing, Neoprene, 1 in. x 4 in. x 12-1/2 in.		2
-90	BH-10-2745	.	Strip, rubbing, Neoprene, 1 in. x 1/32 x 7-1/2 in.		2
-91	BE-10-10635	.	Angle console attachment, bottom port		1
-92	BE-10-10636	.	Angle console attachment, bottom, stbd.		1
-93	BE-10-10637	.	Angle console attachment, top port		1
-94	BE-10-10638	.	Angle console attachment, top stbd.		1
-95	BH-57-785	.	Angle assy., (Mod. 168)		1
-96	BH-57-785A	.	Angle plate (Mod. 168)		1
-97	MF1000-4	.	Nut anchor (Mod. 168)		2
-98	BH-57-795	.	Clip assy., (Mod. 168)		1
-99	BH-57-795A	.	Clip (Mod. 168)		1
-100	BH-57-795B	.	Strip rubber (Halprene) (Mod 168)		1
-101	BH-57-799	.	Plate assy., (Mod. 168)		1
-102	BH-57-799A	.	Plate (Mod. 168)		1
-103	BH-57-799B	.	Strip rubber (Halprene) (Mod. 168)		1
-104	BH-57-801	.	Plate "Z" (Mod. 168)		1
-108	A102-1E	.	Bolt (Mod. 168)		2
-109	A102-15E	.	Bolt (Mod. 168)		2
-110	SP124-E	.	Washer (Mod. 168)		4
-111†	SP125-E	.	Washer (Mod. 168)		8

† Item not illustrated

Fuselage
Firewall Assembly

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
2-112A†	BH-10-881	.	Firewall	assy	(Contd)	(Fig.2A)			RF

† Item not illustrated



120/SM/316

Fig. 2A Firewall assembly (Contd)

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
R 2A-	BH-10-881		Firewall assy (contd).....		RF
R -1	BH-51-753		. Plate assy, mounting (Mod.267).....		1
			Attaching parts		
R -2	A113-1/2C		Bolt.....		4
R -3	SP124-C		Washer.....		4
R -4	MF1000-3		. . Nut anchor (Kaylock).....		2
R -5	MK3000-06		. . Nut anchor (Kaylock).....		2
R -6	BH-51-751		. . Plate.....		1
R -7	BH-51-919		. Channel assy (Mod.267).....		1
			Attaching parts		
R -8	A113-1/2D		Bolt.....		3
R -9	SP124-D		Washer.....		3
R -10	AS8600D		Nut.....		1
R -11	MK1000-3		. . Nut, anchor (Kaylock).....		2
R -12	BH-51-921		. . Channel.....		1
R -13	BH-51-917		. Zed assy (Mod.267).....		1
			Attaching parts		
R -14	A102-1/2D		Bolt.....		3
R -15	SP124-D		Washer.....		3
R -16	AS8600D		Nut.....		1
R -17	MK1000-3		. . Nut, anchor (Kaylock).....		2
R -18	BH-51-923		. . Channel.....		1
R -19	SP126-D		. Washer, packing (Mod.267).....		4
R -20	BH-51-913		. Bracket, hose support (Mod.267).....		1
			Attaching parts		
R -21	AS8600C		Nut.....		3
R -22	SP124-C		Washer.....		3
R -23	A102-1/2C		Bolt.....		3
R -24	BH-51-927		. Channel assy (Mod.267).....		1
R -25	F5000-3		. . Nut, anchor (Kaylock).....		4
R -26	BH-51-925		. . Channel.....		1

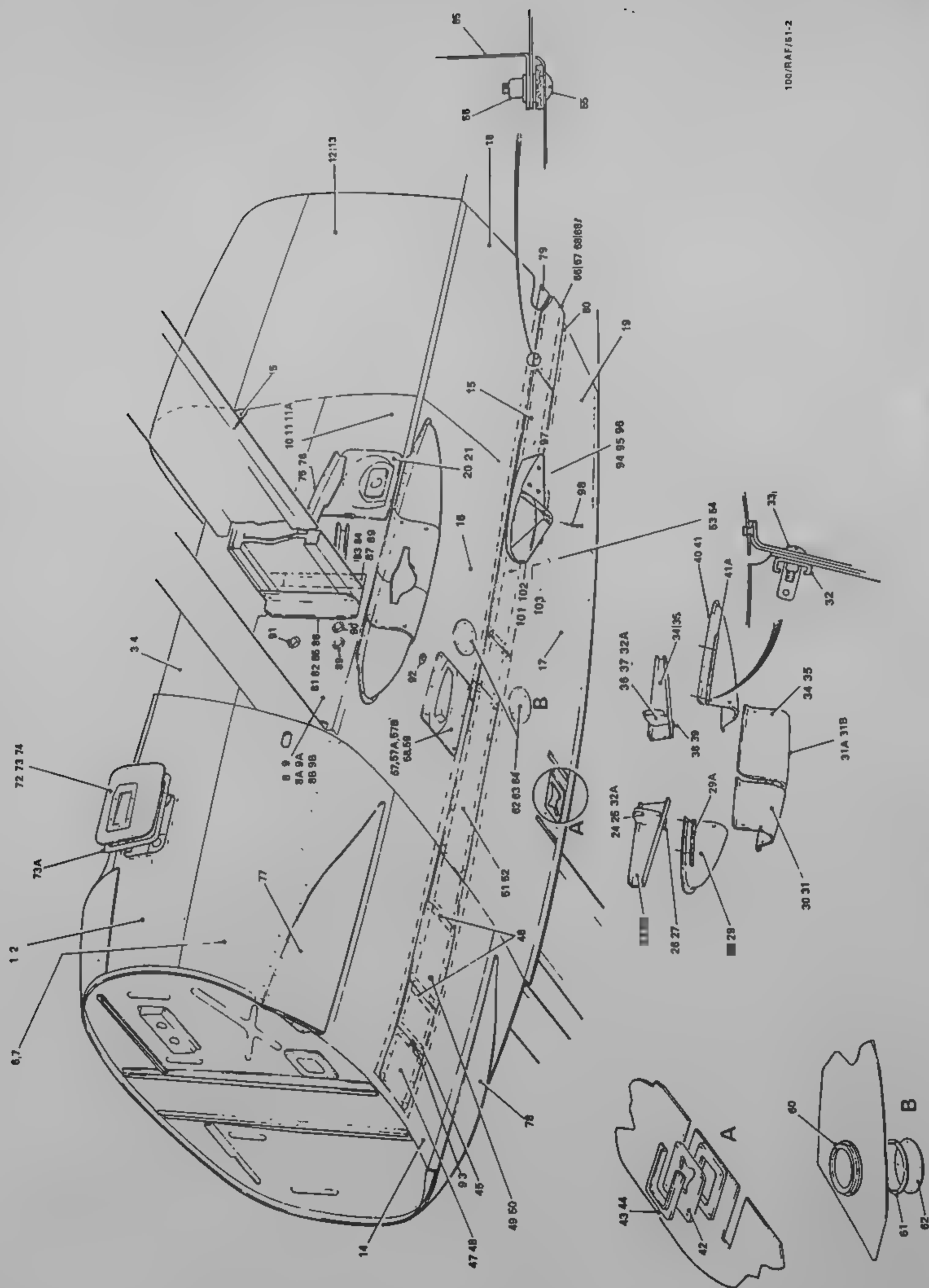


Fig.3 Forward fuselage assembly

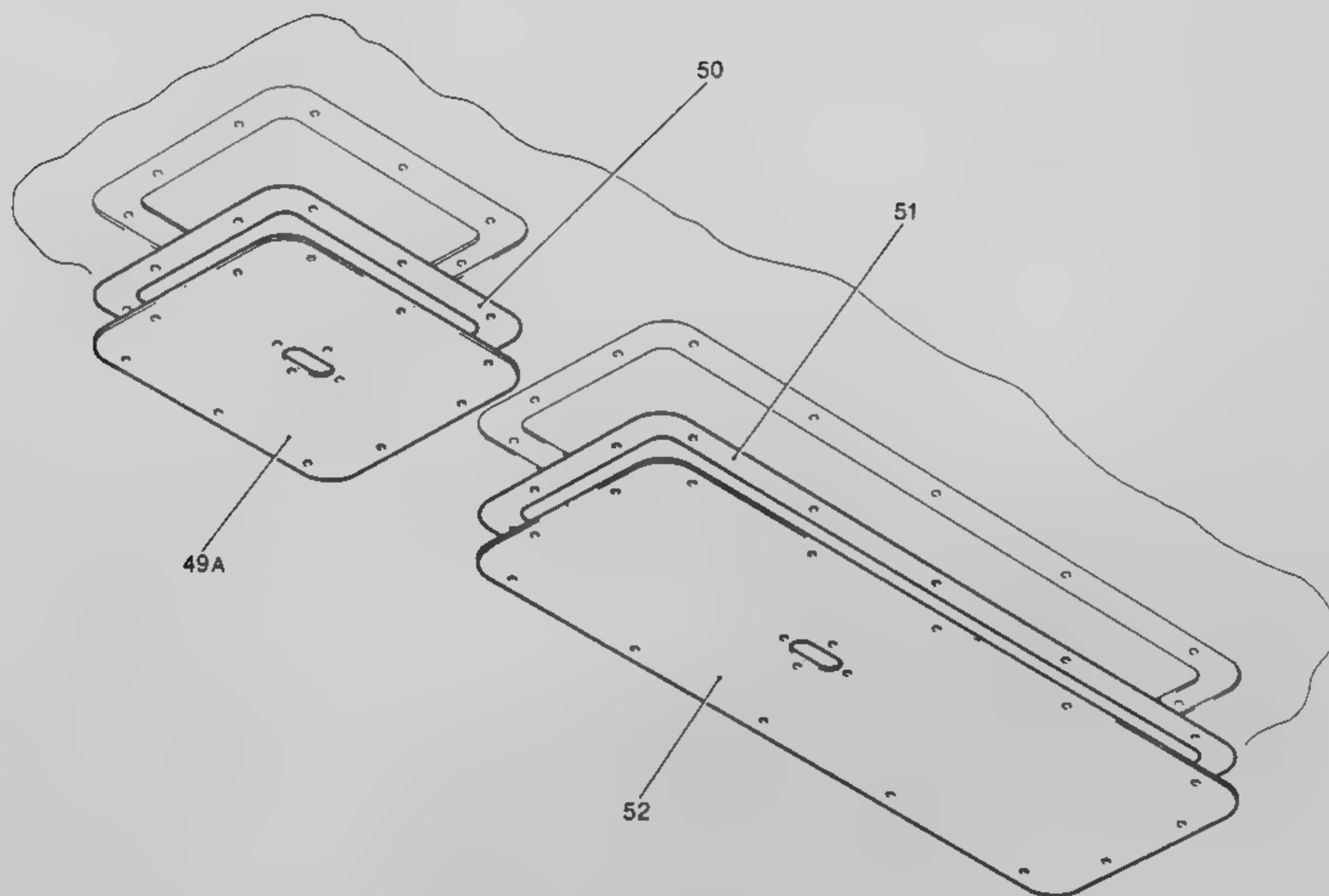


Fig.3 Forward Fuselage Assembly

Fuselage
Forward Fuselage Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-	BH-10-3097		G.A. Forward, lower fuselage.....		RF
-1	BH-10-1255		. Panel, upper firewall-stn. 62.00 port, L72 x 24 SWG.....		1
-2	BH-10-1256		. Panel, upper firewall-stn. 62.00 stbd., L72 x 24 SWG.....		1
-3	BH-10-269/1		. Panel, upper stn. 62.100 port, L72 x 22 SWG.....		1
-4	BH-10-269/2		. Panel, upper stn. 62.100 stbd, L72 x 22 SWG.....		1
-5	BH-10-3039		. Gusset, joint-stn. 100.....		2
-6	BE-10-10007/105		. Panel, intermediate firewall-stn. 59.3 port, L2 x 24 SWG.		1
-7	BE-10-10007/106		. Panel, intermediate firewall-stn. 59.3 stbd., L72 x 24 SWG		1
-8	BH-10-269/3		. Panel, intermediate stn. 59.3 port, L72 x 20 SWG.....		1
-8 A	BH-10-257		. Plate, shear, port		1
-8 B	BH-10-259		. Angle, port.....		1
-9	BH-10-269/4		. Panel, intermediate stn. 59.3 stbd., L72 x 20 SWG.....		1
-9 A	BH-10-258		. Plate, shear, stbd.....		1
-9 B	BH-10-260		. Angle, stbd.....		1
-10	BH-10-269/5		. Panel, intermediate stn. 73-100 port, L72 x 20 SWG.....		1
-11	BH-10-269/6		. Panel, intermediate stn. 73-100 stbd., L72 x 20 SWG.....		1
-11A	BH-10-269/7		. Packer.....		2
-12	BE-10-10009/7		. Panel, upper stn. 100-129.73 port.....		1
-13	BE-10-10009/8		. Panel, upper stn. 100-129.73 stbd.....		1
-14	BE-10-10007/151		. Panel, bottom-firewall-front spar, L72 x 26 SWG.....		1
-15	BE-10-10007/21		. Panel, entre bottom front spar-rear b/head, L72 x 24 SWG		1
-16	BH-10-2031		. Panel, bottom front spar-stn.100, L72 x 24 SWG.....		1
-17	BH-10-2032		. Panel, bottom front spar-stn. 100. L72 x 24 SWG.....		1
-18	BH-10-3261		. Panel, bottom stn. 100-rear b/head, L73 x 24 SWG, port.		1
-19	BH-10-3262		. Panel, bottom stn. 100-rear b/head, L72 x 24 SWG, stbd.		1
			(Pre-Mod 214)		
	BH-10-3954		. Panel, bottom, stn. 100-rear b/head L72 x 24 SWG, stbd.		1
			(Mod 214)		
-20	BH-10-1455		. Panel, dished flap torque tube, port.....		1
-21	BH-10-1456		. Panel, dished flap torque tube, stbd.....		1
-22	BE-10-10243		. Diaphragm, forward drag member, port.....		1
-23	BE-10-10244		. Diaphragm, forward drag member, stbd.....		1
-24	BH-10-901		. Diaphragm, forward drag member, port.....		1
-25	BH-10-902		. Diaphragm, forward drag member, stbd.....		1
-26	BE-10-10235		. Diaphragm, forward drag member, stbd.....		1
-27	BE-10-10236		. Diaphragm, forward drag member, stbd.....		1
-28	BH-10-2721		. Fairing, nose, port.....		1
-29	BH-10-2722		. Fairing, nose, stbd.....		1
-29A	BH-10-3269		. Strip, cap, nose fairing.....		2
-30	BH-10-2723		. Fairing, centre forward, port.....		1
-31	BH-10-2724		. Fairing, centre forward, stbd.....		1
-31A	BH-10-2725		. Fairing, centre aft, port.....		1
-31B	BH-10-2726		. Fairing, centre aft, stbd.....		1
			Attaching parts		
-32	SL210-08-1		Nut, clip (Shurlock).....		6
-32A	MK-4000-08		Nut, anchor (Kaylock).....		4
-33	A113-1/2C		Bolt, 8-32 UNC.....		6
-34	BE-10-10245		. Diaphragm, aft drag member, port.....		1
-35	BE-10-10246		. Diaphragm, aft drag member, stbd.....		1
-36	BH-10-903		. Diaphragm, aft drag member, port.....		1
-37	BH-10-904		. Diaphragm, aft drag member, stbd.....		1
-38	BE-10-10239		. Diaphragm, aft drag member, port.....		1
-39	BE-10-10240		. Diaphragm, aft drag member, stbd.....		1
-40	BH-10-2727		. Fairing, aft port.....		1
-41	BH-10-2728		. Fairing, aft stbd.....		1
R -41A	BH-10-3270		. Strip, cap, aft fairing.....		2
-42	BE-10-11209		. Seal, u/c leg		2
-43	BE-10-11207		. Angle assy, port, seal retaining.....		1
-44	BH-10-11208		. Angle assy, stbd., seal retaining.....		1
-45	BE-10-10527		. Angle panel attaching, stn.37.4 and stn. 85.5.....		2

Item not illustrated

Fuselage
Forward Fuselage Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-46	BE-10-10535		. Stiffener panel attaching-strn 42.3, 49.3, 73.0 and 95.8....		4
-47#	BE-10-11275/9		. Seal panel, 1/4in. foam-DF119.....		1
-48	BE-10-10007/157		. Panel access No. 1, L72 x 22 SWG.....		1
-49	BE-10-10007/153		. Panel access No. 2, L72 x 22 SWG.....		1
-50#	BE-10-11275/7		. Seal panel, 1/4in. foam, DF119.....		1
-51#	BE-10-11275/11		. Seal panel, 1/4in.foam, DF119.....		1
-52	BE-10-10007/15		. Panel access, No. 3, L72 x 22 SWG.....		1
-53#	BE-10-11275/3		. Seal panel, 1/4in.foam, DF119.....		1
R -54	BE-10-10007/10		. Panel access, No.4, L72 x 22 SWG (Pre-Mod 214).....		1
R	BH-10-3965		. Panel access (Mod 214).....		1
R -54A#	BH-10-3929		. Angle deflector lower (Mod 214).....		2
R -54B#	BH-10-3931		. Strut support deflector angle bottom (Mod 214).....		2
R -54C	A113-1/2D		. Bolt, mush HD 10-32 UNF (Mod 214).....		2
R -54D	SP126D		. Washer (Mod 214).....		2
R -54E	AS8600D		. Nut stiff (Mod 214).....		2
-55	A113-1D		. Bolt, 10-32 UNF.....		42
-56	SL212-3-1		. Nut, clip (Shurlock).....		42
-57	BH-10-929		. Panel assy., access, fuel filter (Pre-Mod 171).....		1
-57A	BH-10-3823		. Panel assy., access, fuel filter (Mod 171).....		1
-57B	HV6084F		. . Grommet, rubber (Helvin).....		1
-58	A113-1D		. Bolt, 10-32 UNF.....		8
-59#	MF1000-3		. Nut, anchor (Kaylock) use 28M/1275899).....		8
-60	BE-10-10261		. Ring, reinforcing damper access.....		2
-61	BE-10-11275/1		. Seal, panel damper access, 1/4in.foam, DF119.....		2
-62	BE-10-10145		. Panel access damper.....		2
-63	A113-1C		. Bolt, 8-32 UNC.....		6
-64#	MF1000-8		. Nut, anchor (Kaylock).....		6
-65	BE-10-10653		. Angle, panel attaching, strn. 119.....		1
-66	BH-10-1353		. Panel, access, L72 x 22 SWG.....		1
-67	A113-1C		. Bolt, 8-32 UNC.....		10
-68	SL212-08-1		. Nut, clip (Shurlock).....		10
-68A	SL211-08-1		. Nut, clip (Shurlock).....		2
-69	BH-10-1711		. Ring, mounting assy, lower beacon, strn. 101.9.....		1
-70	BH-10-1713		. . Ring mounting, L72 x 22 SWG.....		1
-71	MF1000-06		. . Nut, anchor (Kaylock).....		6
-72	BH-10-731		. Scoop airvent, port.....		1
-73	BH-10-1715		. Scoop airvent, stbd.....		1
-73A	BH-10-2703		. Gasket, rubazote 1/8 in. thick.....		2
-74	A170-1C		. Bolt, 8-32 UNC.....		20
-75	BH-10-349		. Angle corrugation attachment, port.....		1
-76	BH-10-350		. Angle corrugation attachment, stbd.....		1
-77	BH-10-3477		. Fairing, port, Mod. 70.....		1
-78	BH-10-3478		. Fairing, stbd., Mod 70.....		1
R -79	BH-10-3959		. Member edge lipped, port (Chap.15-2 Fig.2)(Mod 214)....		RF
R -80	BH-10-3960		. Member edge lipped, stbd (Chap.15-2 Fig.2)(Mod 214)...		RF
-81	BH-10-275		. Angle spar/skin attachment, forward port.....		1
-82	BH-10-276		. Angle spar/skin attachment, forward stbd.....		1
-83	BH-10-271		. Angle spar/skin attachment, aft port.....		1
-84	BH-10-942		. Angle spar/skin attachment, aft stbd.....		1
-85	A111-9D		. Bolt, 10-32 UNF.....		4
-86	A111-10D		. Bolt, 10-32 UNF.....		4
-87	SP126D		. Washer.....		8
-88	A125D/77		. Nut.....		8
-89	S1C218-ST		. Grommet, fuel line, port and stbd. (Standard insulator)....		2
-90	MS35489-12		. Grommet, fuel vent line, port and stbd.....		2
-91	SP93-A12		. Grommet, port side.....		1

Item not illustrated

Supplementary page for MCE Mod 2002

Fuselage
Forward Fuselage Assembly

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-52	BE-10-10007/15	.Panel access, No.3, L72x22 SWG		1
-49	BE-10-10007/153	.Panel access, No.2, L72x22 SWG		1
-50	BE-10-11275/7	.Seal panel, 1/4in. foam, DF 119		1
-51	BE-10-11275/11	.Seal panel, 1/4in. foam, DF 119		1

INSERT

-49+	M-R9-10-0005	SSR/DME Antenna installation (MCE) (Chap 64-1, Fig.2)		RF
-49A	M-R9-10-0005/1	.Panel assy., access (MCE)		1
-52	M-R9-10-0005/2	.Panel assy., access (MCE)		1
-50	M-R9-10-0011	.Seal, 1/4in. foam, DF119 (MCE)		1
-51	M-R9-10-0013	.Seal, 1/4in. foam, DF119 (MCE)		1
-51A+	EC1099	.Adhesive (3 Ms)		A/R

+ Item not illustrated

Fuselage
Forward Fuselage Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-92	SP93-E18	.	Grommet, port side.....		1
-93	SAL261/201	.	Marker jacking point (Mod.134).....		1
R -94	BH-10-3957	.	Plate assy. (Mod 214).....		4
R -95	BH-10-3955	..	Plate detail (Mod 214).....		1
R -96	AS8601D	..	Nut anchor (Mod 214).....		1
R	BH-10-3961	.	Mounting cradle and fairing assy.....		RF
			Lower strobe light (Mod 214)		
R -97	BH-10-3839	..	Mounting Cradle (Mod 214).....		1
			Attaching Parts		
R -98	A113-1/2D		Bolt 10-32 UNF (Mod 214).....		4
R -99	BH-10-3839A	..	Mounting Cradle (Mod 214).....		1
R -100	AS8601D	...	Nut anchor (Mod 214).....		4
R -101	BH-10-3837	..	Fairing Assy. (Mod.214).....		1
R -102	BH-10-3837A	..	Fairing (Mod 214).....		1
R -103	X123	...	Extrusion Rubber grade 885 (Mod 214).....		1

Chapter 15

FUSELAGE

Section 2

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Centre section main spar	18
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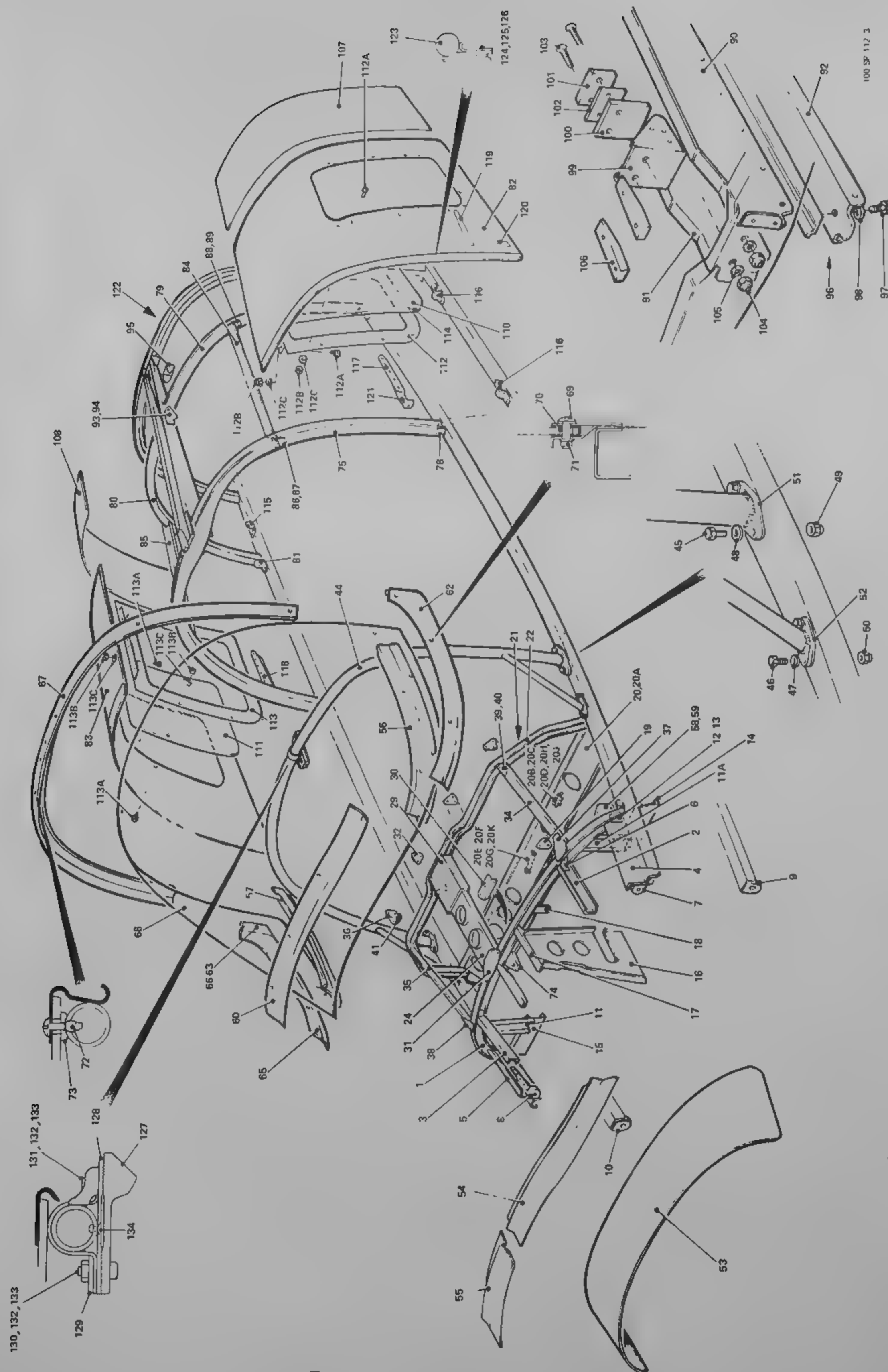


Fig.1 Forward Upper Fuselage

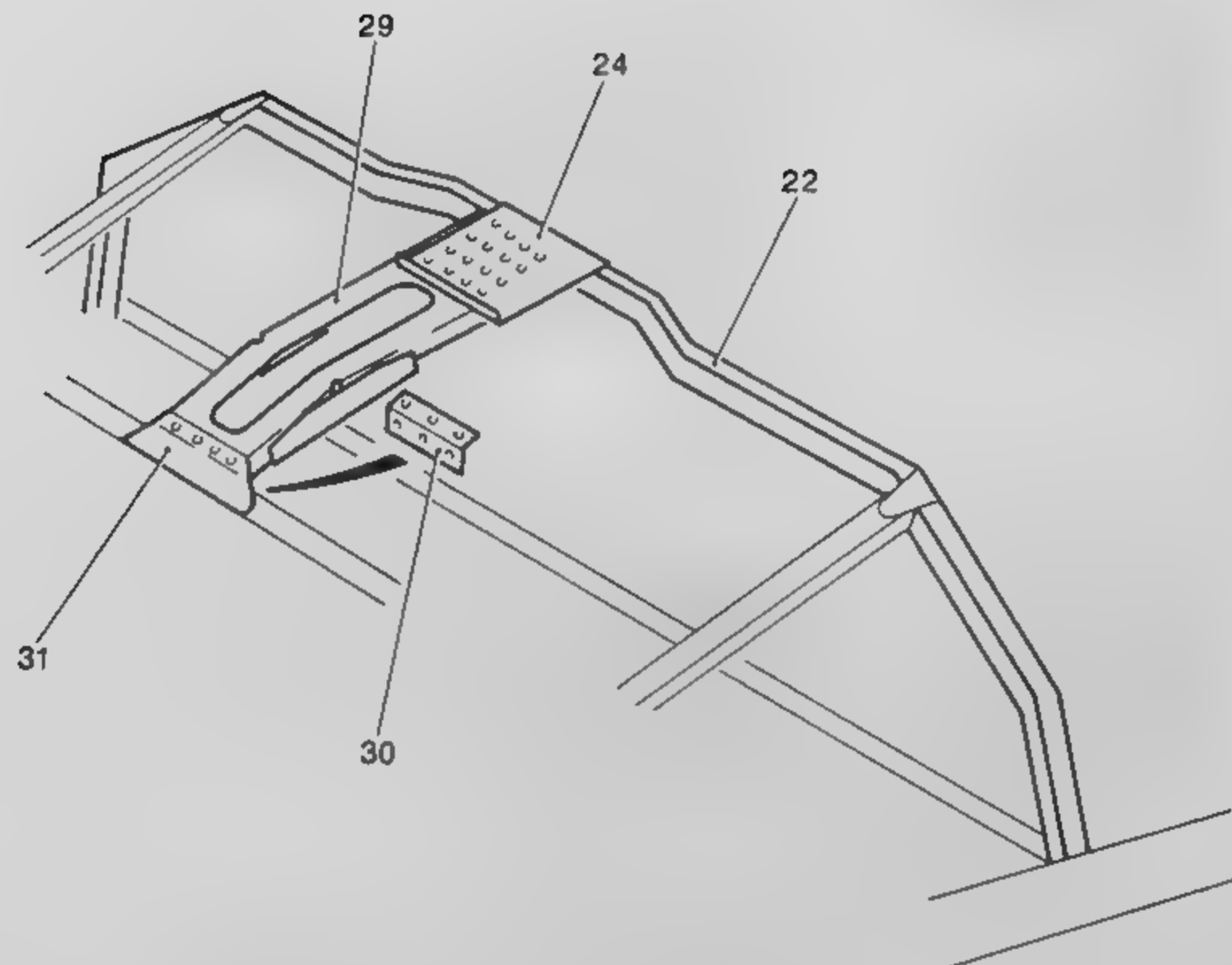


Fig.1 Forward Upper Fuselage

Supplementary page for MCE Mod 2002

Fuselage
Forward Fuselage, Upper

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-22	BH-10-2899	.Member, hoop		1
-24	BH-10-2903	.Bracket assy., compass mounting		1
-29	DF119	.Foam, 1/4in. thick		A/R
-30	BH-10-1633	.Angle attachment, L72x20 SWG		1
-31	BH-10-1811	.Gusset, 1/4in. thick		1
-32	BH-10-1817	.Support, panel, L72x20 SWG		4
-36	BH-10-2911	.Support, panel, L72x20 SWG		1
-41	SL-211-3-1	.Nut, clip (Shurlock)		1

INSERT

-22	M-R9-10-0027	.Hoop form assy. Alternative		1
	M-R9-10-0025	.Hoop form assy.		1
-24	M-R9-10-0021/7	.Bracket, compass mounting		1
-29	M-R9-10-0019	.Stiffener assy., (MCE)		1
-30	M-R9-10-0021/9	.Cleat (MCE)		1
-31	M-R9-10-0021/11	.Cleat (MCE)		1

Fuselage
Forward Fuselage, Upper

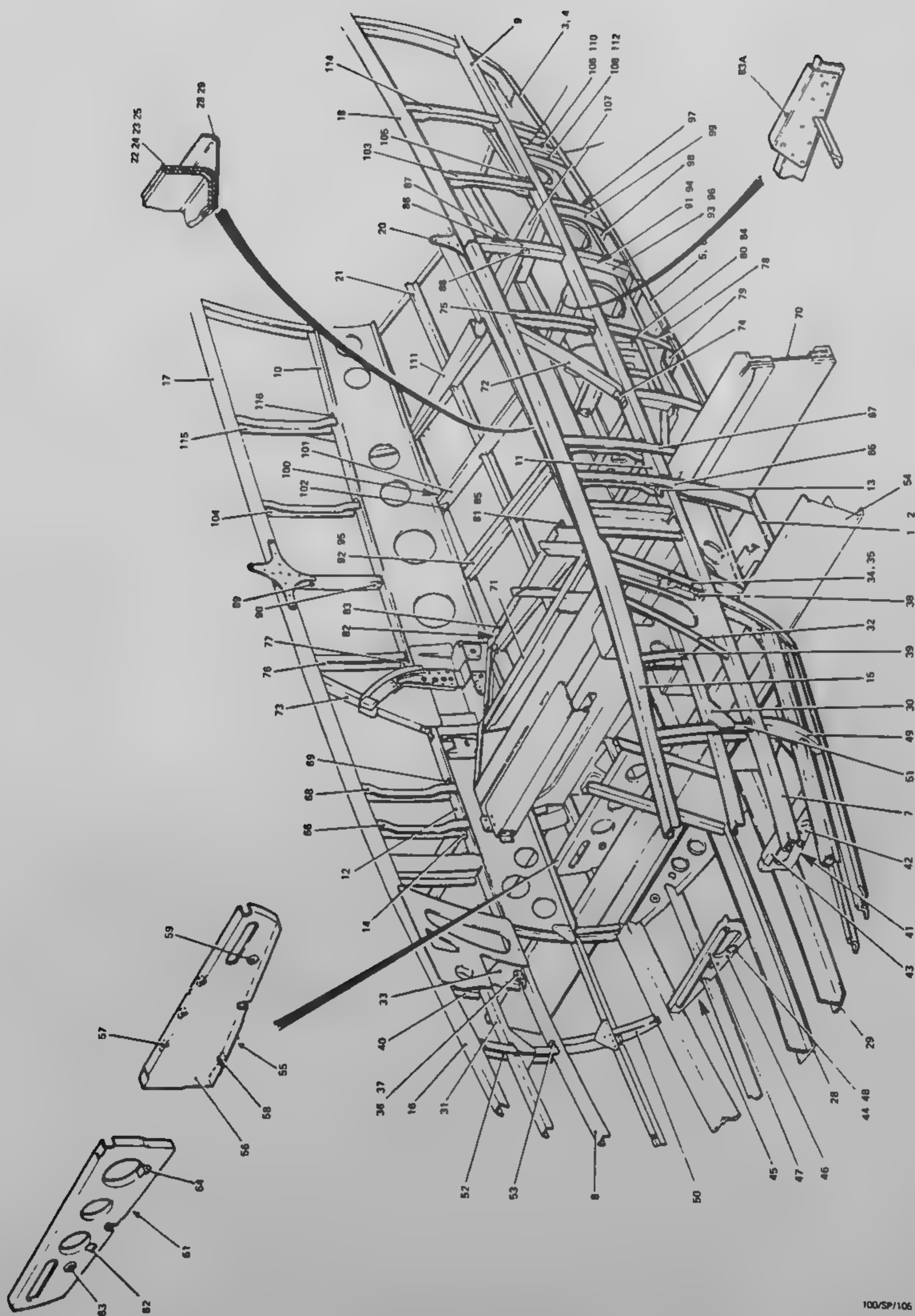
Fig. Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-10-3093		Forward upper fuselage		RF
-1	BH-10-113		. Frame upper, stn. 44.25		1
-2	BH-10-123		. Channel, port		1
-3	BH-10-124		. Channel, stbd.		1
-4	BH-10-121		. Channel, mounting, port		1
-5	BH-10-122		. Channel, mounting, stbd.		1
-6	BE-10-10109/1		. Cleat, channel attachment		4
-7	BH-10-2331		. Foot, engine mounting, port		1
-8	BH-10-2332		. Foot, engine mounting, stbd.		1
-9	BH-10-2325		. Foot, engine mounting, port		1
-10	BH-10-2326		. Foot, engine mounting, stbd.		1
-11	BH-10-2358		. Bracket assy., filter mounting, stbd., Chap. 28-1, Fig. 2		1
-11A	BH-10-2359		. Bracket assy., regulating valve mounting, port, Chap. 28-1, Fig. 2		1
-12	BH-10-127		. Cleat attachment, frame stn.44.25, port		1
-13	BH-10-128		. Cleat attachment, frame stn.44.25, stbd.		1
-14	BH-10-217		. Channel, port		1
-15	BH-10-1805		. Channel, stbd.		1
-16	BH-10-607		. Channel, support forward console		1
-17	BE-10-10801		. Angle, attachment		2
-18	BH-10-1929		. Plate, spring attachment		1
-19	BH-10-1731		. Plate, spring attachment		2
-20	BH-10-2885		. Member assembly, panel support (Pre-Mod. 185)		1
	BH-10-3613		. Member assembly, panel support (Mod. 185) (Pre-Mod. 197)		1
	BH-10-3809		. Member assembly, panel support (Mod. 197)		1
-20A	BH-10-2091		. . Member, panel support (Pre-Mod. 185)		1
	BH-10-3797		. . Member, panel support (Mod. 185) (Pre-Mod. 197)		1
	BH-10-3809/1		. . Member, panel support (Mod. 197)		1
R	-20B	HWB/UN/1146/S/2/B	. . Block, terminal (Mod. 197) (Ward-Brooke)		1
R		72541-022-0	. . Block, terminal (Mod. 197) (Dowty)		1
R	-20C	HWB/UN/1110/B2	. . Cover, terminal block (Mod. 197) (Ward-Brooke)		1
R		41852-822-0	. . Cover, terminal block (Mod. 197) (Dowty)		1
R	20D	WB/UN/1114/28	. . Pillar, terminal block (Mod. 197) (Ward-Brooke)		2
R		36766-312-0	. . Pillar, terminal block (Mod. 197) (Dowty)		2
R	-20E	HWB/UN/1110/D/10/B	. . Block, terminal (Ward-Brooke)		1
R		72441-630-0	. . Block, terminal (Dowty)		1
R	-20F	HWB/UN/1110/B	. . Cover, terminal block (Ward-Brooke)		1
		41856-630-10B	. . Cover, terminal block (Dowty)		1
R	-20G	WB/UN/1114/B/28	. . Pillar, terminal block		2
R		36766-315-0	. . Pillar, terminal block (Dowty)		2
R	-20H	A125-B77	. . Nut		2
R	-20J	SP126-B	. . Washer		2
R	-20K	MK1000-06	. . Nut, anchor (Kaylock)		2
-21	BH-10-2883		. Structure, panel mounting		1
-22	BH-10-2899		. Member, hoop		1
-24	BH-10-2903		. Bracket assy., compass mounting		1
-29	DF119		. Foam, 1/4 in. thick		AR
-30	BH-10-1633		. Angle attachment, L72 x 20 SWG		1
-31	BH-10-1811		. Gusset, L72 x 20 SWG		1
-32	BH-10-1817		. Support, panel, L72 x 20 SWG		4
-34	BH-10-2889		. Channel, L72 x 22 SWG, port		1
-35	BH-10-2890		. Channel, L72 x 22 SWG, stbd.		1
-36	BH-10-2911		. Support, panel, L72 x 22 SWG		1
-37	BH-10-2895		. Gusset, L72 x 22 SWG, port		1
-38	BH-10-2896		. Gusset, L72 x 22 SWG, stbd.		1
-39	BH-10-2893		. Gusset, L72 x 22 SWG, port		1
-40	BH-10-2894		. Gusset, L72 x 22 SWG, stbd.		1
-41	SL-211-3-1		. Nut, clip (Shurlock)		1
-44	BH-10-1247		. Arch assy., windscreen		1
-45	A102-2G		Attaching parts		
-46	A102-2D		Bolt, 5/16 in. UNF		4
-47	SP126-D		Bolt, 10-32 UNF		4
-48	SP126-G		Washer (forward)		8
-49	A125-G66		Washer (aft)		8
-50	A125-D66		Nut, stiff (aft)		4
			Nut, stiff (forward)		4

Fuselage
Forward Fuselage, Upper

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
-51	BH-10-639	.	Shim, windscreen arch, aft		2
-52	BH-10-641	.	Shim, windscreen arch, forward		2
-53	BH-10-1161	.	Skin, upper firewall stn.44 25, L72 x 22 SWG		1
-54	BE-10-10005/7	.	Retainer, windscreen centre, port L72 x 24 SWG		1
-55	BE-10-10005/8	.	Retainer, windscreen centre, stbd. L72 x 24 SWG		1
-56	BH-10-3071	.	Retainer, windscreen, port, L72 x 24 SWG		1
-57	BH-10-3072	.	Retainer, windscreen, stbd., L72 x 24 SWG		1
-58	BE-10-10681	.	Bracket, retainer attachment, port		1
-59	BE-10-10682	.	Bracket, retainer attachment, stbd.		1
-60	BE-10-10005/9	.	Strip, capping, centre, lower, L72 x 20 SWG		1
-62	BH-10-3073	.	Strip, capping, port		1
-63	BH-10-1171	.	Gutter, lower, port		1
-65	BH-10-3074	.	Strip, capping, stbd.		1
-66	BH-10-1172	.	Gutter, lower, stbd.		1
-67	BH-10-439	.	Member, capping and gutter		1
-68	BH-10-727	.	Windscreen		1
			Attaching parts		
-69	A113-2D		Bolt, 10-32 UNF		15
-70	BE-10-10005/13		Bush, neoprene, 5/16 in. i/d x 3/16 in. o/d x 5/32 in. lg.		15
-71	MF1000/3		Nut, anchor (Kaylock)		6
-72	9507-10-12		Nut, insert		8
-73	BH-10-729	.	Strip, bedding		1
-74	BH-10-3287	.	Panel assy., stbd., control (Mod. 7)		1
	BH-10-3095		G.A. Centre fuselage, top, stn.100, sloping bulkhead (Pre-Mod. 158)		RF
	BH-10-229		G.A. Centre fuselage, top, stn.100, sloping bulkhead (Mod. 166)		RF
-75	BH-10-1259	.	Frame aft stn.100		1
-78	BH-10-211	.	Cleat attachment		2
-79	BH-10-1391	.	Member, sloping, port, stn.130.95		1
-80	BH-10-1392	.	Member, sloping, stbd., stn.130.95		1
-81	BE-10-10109/3	.	Cleat		2
-82	BH-10-2269	.	Skin, top, stn.100 - sloping member, port		1
-83	BH-10-2270	.	Skin, top, stn.100 - sloping member, stbd.		1
-84	BH-10-1683	.	Member, stiffening, port		1
-85	BH-10-1380	.	Member, stiffening, stbd.		1
-86	BH-10-1381	.	Cleat attachment, port		1
-87	BH-10-1382	.	Cleat attachment, stbd.		1
-88	BH-10-1383	.	Cleat attachment, port		1
-89	BH-10-1384	.	Cleat attachment, stbd.		1
-90	BH-10-169	.	Member, top, rail side, port		1
-91	BH-10-170	.	Member, top, rail side, stbd.		1
-92	BH-10-171	.	Member, top, rail bottom		1
-93	BH-10-1385	.	Cleat attachment, port		1
-94	BH-10-1386	.	Cleat attachment, stbd.		1
-95	BH-10-1355	.	Diaphragm, sloping bulkhead		1
-96	BH-10-2007	.	Rail assy., top		1
			Attaching parts		
-97	A102-1/2D		Bolt, 10-32 UNF		7
-98	SP122-D		Washer		7
-99	BH-10-2009	.	Bracket		1
-100	BH-10-2013	.	Pad, stress		1
-101	BH-10-2011	.	Pad		1
-102	—	.	Packer, L72, 1/16 in. x 1.0 in.		AR
-103	A204-D24	.	Screw, 10-32 UNF		2
-104	H-10-3	.	Nut (Kaylock)		2
-105	SP126-D	.	Washer		2
-106	BH-10-483	.	Packing		2
-107	BH-10-2231	.	Skin, top, stn.130.95, sloping bulkhead, port		1
-108	BH-10-2232	.	Skin, top, stn.130.95, sloping bulkhead, stbd.		1
-110	BH-10-2489	.	Panel, rear window, perspex, 1/16 thick, DTD5544, port		1
-111	BH-10-2490	.	Panel, rear window, perspex, 1/16 thick, DTD5544, stbd.		1

Fuselage
Forward Fuselage, Upper

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-112	BH-10-2487	.	Pressing, rear window, port, (Mod. 166).....		1
			Attaching parts		
-112A	A219-C12		Screw.....		34
-112B	H10-08		Nut.....		34
-112C	SP127C		Washer.....		34
-113	BH-10-2488	.	Pressing, rear window, stbd, (Mod. 166).....		1
			Attaching parts		
-113A	A219-C12		Screw.....		34
-113B	H10-08		Nut.....		34
-113C	SP127-C		Washer.....		34
R -114	214-5	.	Adhesive, Bostik compound (Ref. 33H/2202316).....		AR
-115	BH-10-2227	.	Bracket, 3rd seal attachment, stbd.....		1
-116	BE-10-10547	.	Housing, datum spigot.....		2
-117	BH-10-2467	.	Stiffener, port.....		1
-118	BH-10-2468	.	Stiffener, stbd.....		1
-119	BH-10-2469	.	Pad, guide.....		2
-120	BH-10-2729	.	Strap, rubbing.....		2
-121	SP93-A12	.	Grommet.....		1
-122	BH-10-1221	.	Bulkhead Assy., rear fuselage, Chap. 15-5, Fig. 2 (Pre-Mod. 158).....		RF
-122	BH-10-3729	.	Bulkhead Assy., rear fuselage, Chap. 15-5, Fig. 2-8 (Mod. 158).....		RF
	BH-15-807		G.A. of canopy sealing.....		RF
-123	BH-15-799	.	Seal, canopy, aft.....		2
-124	BH-15-813	.	Angle, backing, canopy seal, port.....		1
-125	BH-15-814	.	Angle, backing, canopy seal, stbd.....		1
-126	4104	.	Screw, self tapping, No. 4 x 5/16 in. (GKN).....		14
-127	BH-10-2035	.	Plate, latch.....		1
-128	BH-10-2033	.	Plate, serrated.....		1
-129	BH-10-2039	.	Pad.....		1
-130	A116-3D	.	Bolt.....		1
-131	A116-4D	.	Bolt.....		1
-132	SP126-D	.	Washer.....		2
-133	H-10-3	.	Nut, stiff (Kaylock).....		2
-134	AGS2066-407	.	Rivet, (Avdel).....		1



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Fig. 2 Forward fuselage, lower

Fuselage
Forward Fuselage Assembly

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
	BH-10-3097	Forward lower fuselage.....		RF
2-1	BH-10-673	. Angle, chine, front spar, stn. 95.5, chine, port.....		1
-2	BH-10-674	. Angle, chine, front spar, stn. 95.5, stbd.....		1
-3	BH-10-701	. Angle, chine, forward, stn. 135, port.....		1
-4	BH-10-702	. Angle, chine, forward, stn. 135, stbd.....		1
-5	BH-10-1563	. Angle, joint, chine, port.....		1
-6	BH-10-1564	. Angle, joint, chine, stbd.....		1
-7	BH-10-1975	. Longerons, forward, port.....		1
-8	BH-10-1976	. Longerons, forward, stbd.....		1
-9	BH-10-1013	. Longerons, aft, port.....		1
-10	BH-10-1014	. Longerons, aft, stbd.....		1
-11	BH-10-315	. Longerons channel, port.....		1
-12	BH-10-316	. Longerons channel, stbd.....		1
-13	BH-10-317	. Cleat, longerons attaching, port.....		1
-14	BH-10-318	. Cleat, longerons attaching, stbd.....		1
-15	BH-10-3051	. Longerons, forward upper, port.....		1
-16	BH-10-3052	. Longerons, forward upper, stbd.....		1
-17	BH-10-226	. Longerons, aft upper, stbd.....		1
-18	BH-10-1491	. Longerons, aft upper, port.....		1
-20	BH-10-3037	. Plate, inner finger, stn. 100.....		2
-21	BH-10-1365	. Stringer.....		2
-22	BE-10-10247	. Angle, console, port.....		1
-23	BE-10-10248	. Angle, console, stbd.....		1
-24	BE-10-10249	. Angle, console, port.....		1
-25	BE-10-10250	. Angle, console, stbd.....		1
-28	BE-10-10525	. Member edge, lipped (Pre-Mod 214).....		1
R	BH-10-3959	. Member edge, lipped port (Mod 214).....		1
-29	BE-10-10526	. Member edge, lipped stbd (Pre-Mod 214).....		1
R	BH-10-3960	. Member edge, lipped stbd (Mod 214).....		1
-30	BH-10-1707	. Longerons, mid forward, port.....		1
-31	BH-10-1709	. Longerons, mid forward, stbd.....		1
-32	BH-10-1291	. Member assy, zed, cockpit surround structure, port.....		1
-33	BH-10-1292	. Member assy, zed, cockpit surround structure, stbd.....		1
-34	BH-10-3067	. Channel, windscreen arch, port.....		1
-35	BH-10-3068	. Channel, windscreen arch, stbd.....		1
-36	BE-10-10835	. Cleat, zed member attaching, port.....		1
-37	BE-10-10836	. Cleat, zed member attaching, stbd.....		1
-38	BE-10-10109/1	. Cleat, channel, attaching.....		2
-39	BH-10-1125	. Channel, vertical, port.....		1
-40	BH-10-1127	. Channel, vertical, stbd.....		1
-41	BH-10-1219	. Frame assy, lower, stn. 44.25 port.....		1
-42	BH-10-1213	. . Frame, lower.....		1
-43	BH-10-1217	. . Angle, floor.....		1
-44	F6000-6	. . Nut, anchor (Kaylock).....		1
-45	BH-10-2834	. Frame assy, lower, stn. 44.25 stbd.....		1
-46	BH-10-2832	. . Frame, lower.....		1
-47	BH-10-1217	. . Angle, floor.....		1
-48	F6000-6	. . Nut, anchor (Kaylock).....		1
-49	BH-10-1215	. Frame, lower side, stn. 44.25, port.....		1
-50	BH-10-1216	. Frame, lower side, stn. 44.25, stbd.....		1
-51	BH-10-115	. Frame, mid, stn. 44.25, port.....		1
-52	BH-10-116	. Frame, mid, stn. 44.25, stbd.....		1
-53	BE-10-10109/1	. Cleat.....		4
-54	BH-10-3105	Spar assy, front, Fig.4.....		RF
-55	BH-10-3643	Frame assy, stn. 64.0 port, bottom (Mod.107).....		1
-56	BH-10-3641	. Frame (Mod.107).....		1
-57	MK1000-08	. Nut, anchor (Kaylock).....		4
-58	MK-1000-3	. Nut, anchor (Kaylock)(Mod.107).....		1
-59	SP93A-18	. Grommet.....		1

Fuselage
Forward Fuselage Assembly

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
2-61	BE-10-10281	Frame assy, stn. 63.0. stbd. bottom.....							1
-62	F6000-06	. Nut, anchor (Kaylock).....							1
-63	SP93A	. Grommet.....							1
-64	B2-10-8827	. Bracket, clip.....							1
-65	BH-10-3061	Frame, stn. 71.7. port.....							1
-66	BH-10-3062	Frame, stn. 71.7. stbd.....							1
-67	BH-10-263	Frame, stn. 75.8. port.....							1
-68	BH-10-264	Frame, stn. 75.8. stbd.....							1
-69	BE-10-10109/1	Cleat.....							4
-70	BH-10-261	Spar assy, main, Fig. 5.....							RF
-71	BH-10-523	Frame assy, stn. 82.0. Fig. 6.....							RF
-72	BH-10-213	Frame, sloping, stn. 82.0. port.....							1
-73	BH-10-232	Frame, sloping, stn. 82.0. stbd.....							1
-74	BH-10-433	Cleat.....							2
-75	BH-10-3055	Frame, mid, stn. 91 port.....							1
-76	BH-10-3056	Frame, mid, stn. 91 stbd.....							1
-77	BE-10-10109/1	Cleat.....							2
-78	BH-10-1189	Frame assy, lower, stn. 91 port.....							1
-79	BH-10-1187	. Channel, bottom.....							1
-80	BH-10-2923	. Channel, side.....							1
-81	BH-10-1185	. Angle, floor attachment.....							1
-82	BH-10-1190	Frame assy, lower, stn. 91, stbd.....							1
-83	BH-10-1188	. Channel, bottom.....							1
-83A	BH-10-3127	. Bracket, floor support, transceiver.....							1
-84	BH-10-2924	. Channel, side.....							1
-85	BH-10-1186	. Angle, floor attachment.....							1
-86	BH-10-3069	Frame assy, mid, stn. 100, port.....							1
-87	BH-10-3057	. Frame.....							1
-88	TC120	. Clip, tie (Ross Courtney).....							1
-89	BH-10-3058	Frame, mid, stn. 100, stbd.....							1
-90	BE-10-10109/1	Cleat.....							1
-91	BH-10-1167	Frame assy, lower, stn. 100 port.....							1
-92	BH-10-1165	. Frame, lower.....							1
-93	BH-10-1163	. Frame, side.....							1
-94	BH-10-1168	Frame assy, lower, stn. 100, stbd.....							1
-95	BH-10-1166	. Frame, lower.....							1
-96	BH-10-1164	. Frame, side.....							1
-97	BH-10-1201	Frame assy, stn. 108, port.....							1
-98	BH-10-1199	. Frame, lower.....							1
-99	BH-10-1197	. Frame, side.....							1
-100	BH-10-1202	Frame assy, stn. 108, stbd.....							1
-101	BH-10-1200	. Frame, lower.....							1
-102	BH-10-1198	. Frame, side.....							1
-103	BE-10-10379	Frame, mid, stn. 110, port.....							1
-104	BE-10-10380	Frame, mid, stn. 110, stbd.....							1
-105	BE-10-10109/1	Cleat.....							1
-106	BH-10-1133	Frame assy, stbd. 117.....							1
-107	BH-10-1129	. Frame, bottom.....							1
-108	BH-10-2947	. Frame, side.....							1
-110	BH-10-2918	Frame assy, stn. 117, stbd.....							1
-111	BH-10-1130	. Frame, bottom.....							1
-112	BH-10-2948	. Frame, side.....							1
-114	BE-10-10387	Frame, mid, stn. 120, port.....							1
-115	BE-10-10388	Frame, mid, stn. 120, stbd.....							1
-116	BE-10-10109/1	Cleat.....							2

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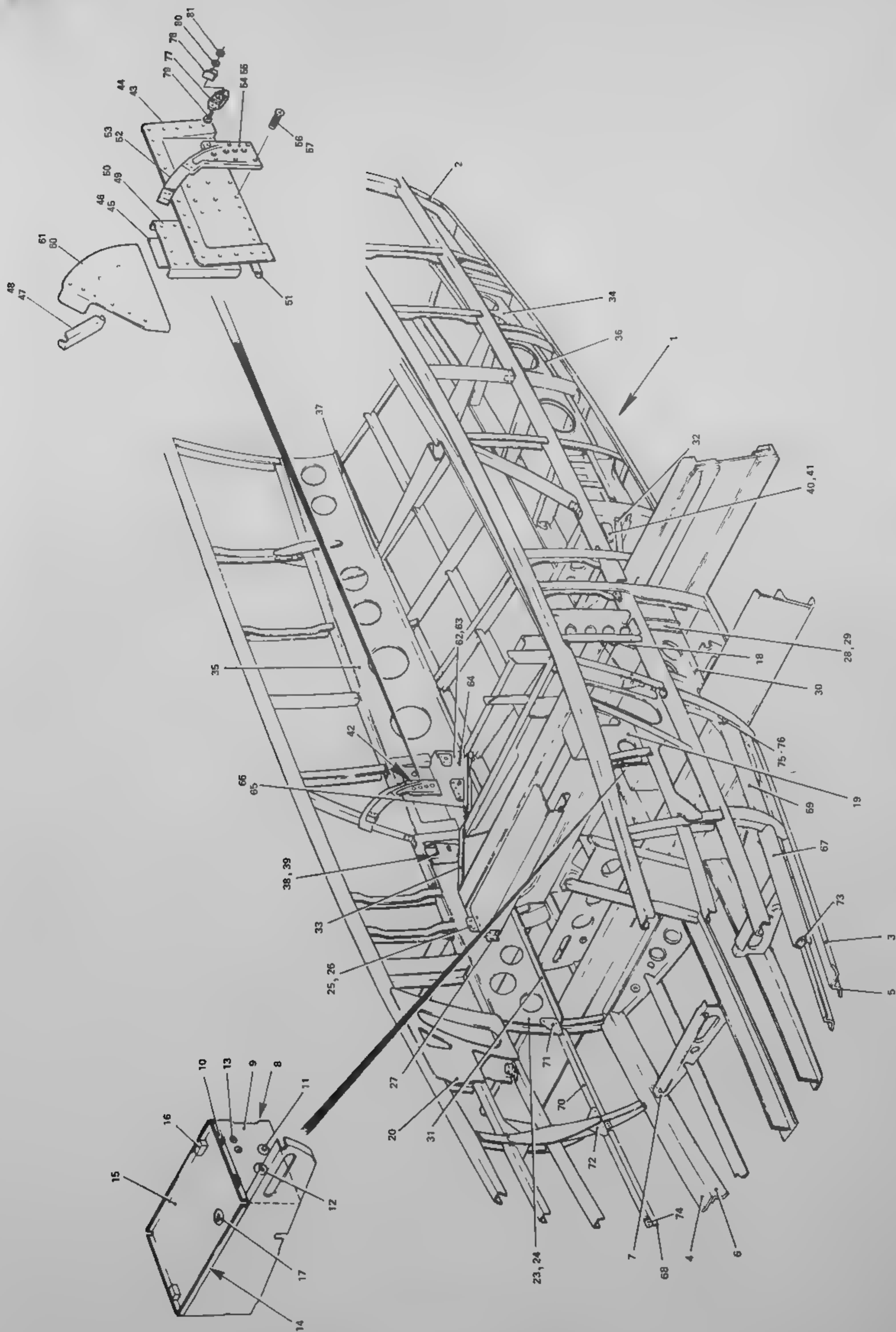


Fig 3 Forward fuselage, bottom
(Mod 32 inc)

100/SP/106 2

Fuselage
Forward Fuselage Bottom

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-1	BH-10-3097		Lower fuselage structure		RF
-2	BH-10-1221		. Bulkhead, rear cabin, Sect. 5 Fig. 3		RF
-3	BH-10-135		. Angle, floor, forward, port		1
-4	BH-10-136		. Angle, floor, forward, stbd.		1
-5	BH-10-137		. Member, zed, floor, forward, port		1
-6	BH-10-138		. Member, zed, floor, forward, stbd.		1
-7	BH-10-193		. Cleat, attaching		2
-8	BH-10-343/SA1		. Diaphragm assy., fuel selector box, port		1
-9	BH-10-933		. . Diaphragm		1
-10	MK-1000-068C		. . Nut, anchor (Kaylock)		2
-11	SP93-A22		. . Grommet		1
-12	SIC218-ST		. . Grommet (Standard Insulator)		1
-13	SP93-A4		. . Grommet		2
-14	BH-10-389		. Plate assy., cover, fuel selector box, port		1
-15	BH-10-935		. . Plate, cover		1
-16	BH-10-955		. . Spacer		2
-17	SP93-A16		. . Grommet		1
-18	BH-10-3325		. Bracket assy., fuel cock, port (Chap. 41, Fig. 2) (Mod. 77)		RF
-19	BH-10-1093		. Panel, dished inner skin, stn. 56.0, port		1
-20	BH-10-1095		. Panel, dished inner skin, stn. 56.0, stbd.		1
-23	BH-10-1471		. Skin, inner, stn. 58.0 - stn. 82.0, port		1
-24	BH-10-1472		. Skin, inner, stn. 58.0 - stn. 82.0, stbd.		1
-25	BH-10-1933		. Angle, attaching, port		1
-26	BH-10-1934		. Angle, attaching, stbd.		1
-27	BE-10-10651		. Angle, attaching		2
-28	BE-10-10927		. Angle, attaching, port		1
-29	BE-10-10928		. Angle, attaching, stbd.		1
-30	BH-10-451		. Angle, floor, stn. 58 - stn. 71, port		1
-31	BH-10-452		. Angle, floor, stn. 58 - stn. 71, stbd.		1
-32	BH-10-1473		. Angle, floor, stn. 75 - stn. 82, port		1
-33	BH-10-1474		. Angle, floor, stn. 75 - stn. 82, stbd.		1
-34	BH-10-1371		. Skin, inner, stn. 91, rear cabin bulkhead, port		1
-35	BH-10-1372		. Skin, inner, stn. 91, rear cabin bulkhead, stbd.		1
-36	BH-10-1373		. Angle, floor, stn. 91, rear cabin bulkhead, port		1
-37	BH-10-1374		. Angle, floor, stn. 91, rear cabin bulkhead, stbd.		1
-38	BH-10-2929		. Pivot assy., seat, port		1
-39	BH-10-2930		. Pivot assy., seat, stbd.		1
-40	BE-10-10663		. . Plate, bearing, port		1
-41	BE-10-10664		. . Plate, bearing, stbd.		1
-42	BH-10-1273/4		Seat support assy., outboard		RF
-43	BH-10-2921		. Panel, skin, port		1
-44	BH-10-2922		. Panel, skin, stbd.		1
-45	BH-10-2925		. Doubler, port		1
-46	BH-10-2926		. Doubler, stbd.		1
-47	BH-10-2633		. Channel, port		1
-48	BH-10-2634		. Channel, stbd.		1
-49	BH-10-2927		. Channel, port		1
-50	BH-10-2928		. Channel, stbd.		1
-51	BH-10-1535		. Angle		2
-52	BH-10-2641		. Plate assy., stop, port		1
-53	BH-10-2642		. Plate assy., stop, stbd.		1
-54	BH-10-2935		. Plate, striker, port		1
-55	BH-10-2936		. Plate, striker, stbd.		1
			Attaching parts		
-56	2103-0605		Jo-bolt (Avdel)		3
-57	2103-0609		Jo-bolt (Avdel)		5

Fuselage
Forward Fuselage Bottom

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-60	BH-10-2635	.	Skin, panel, port		1
-61	BH-10-2636	.	Skin, panel, stbd.		1
-62	BH-10-1267	.	Bracket, mounting, port		1
-63	BH-10-1268	.	Bracket, mounting, stbd.		1
-64	AS561/1	.	Tab, wire, locking		2
-65	BH-10-1299	.	Angle, floor, L72 x 22 SWG, port		1
-66	BH-10-1300	.	Angle, floor, L72 x 22 SWG, stbd.		1
-67	BH-10-2131	.	Stiffener, port		1
-68	BH-10-2132	.	Stiffener, stbd.		1
-69	BH-10-2133	.	Stiffener, port		1
-70	BH-10-2134	.	Stiffener, stbd.		1
-71	BH-10-2137	.	Gusset		2
-72	BH-10-2139	.	Gusset		2
-73	BH-10-2141	.	Cleat, port		1
-74	BH-10-2142	.	Cleat, stbd.		1
-75	BH-10-2143	.	Cleat, port		1
-76	BH-10-2144	.	Cleat, stbd.		1
-77	BH-16-743	.	Stop, seat, serrated plate, port and stbd., Mod. 32		1
-78	BH-16-741	.	Angle, seat stop, port and stbd., Mod. 32		1
			Attaching parts		
-79	A102-2D		Bolt		1
-80	SP124-D		Washer		1
-81	H-10-3		Nut (Kaylock)		1

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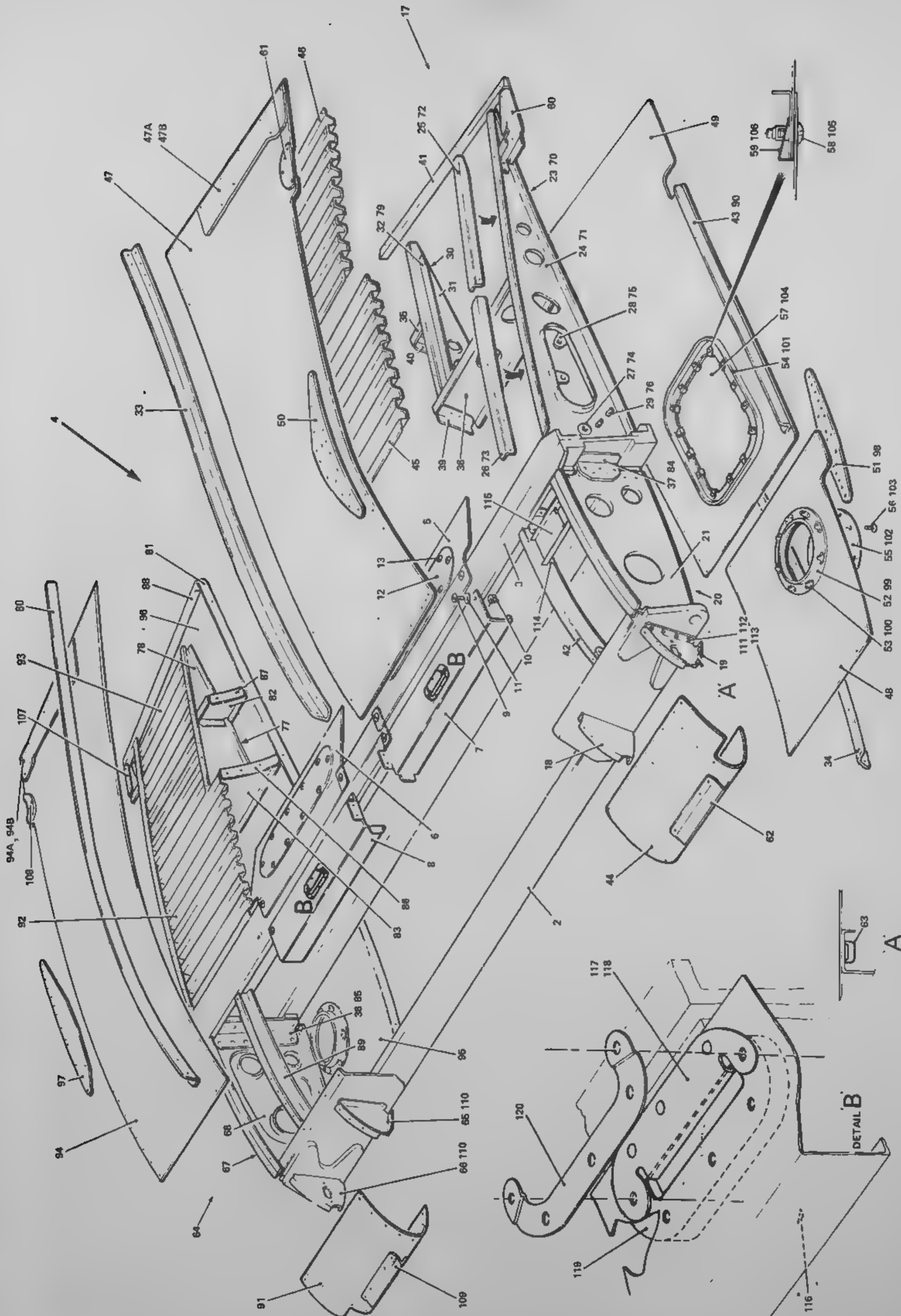


Fig. 4 Centre section and stub wing
(Mod 53 inc)

Fuselage
Centre Section and Stub Wing

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
4-		Centre section assy.....							RF
-2	BH-10-3105	. Spar, front.....							1
-3	BH-10-261	. Spar, main, Fig. 5.....							RF
-4	BH-10-1399/1400	. Wing assy, stub.....							1
-5	BH-10-329	. Panel, seat, port.....							1
-6	BH-10-330	. Panel, seat, stbd.....							1
-7	BH-10-3035	. Rollover, seat, port.....							1
-8	BH-10-3036	. Rollover, seat, stbd.....							1
		Attaching parts							
-9	A116-4D	Bolt, 10-32UNF.....							8
-10	A126-E	Stiffnut.....							8
-11	SP122-E	Washer.....							8
-12	BE-10-11823	. Plate, cover.....							2
-13	A116-1/2D	. Bolt, 10-32UNF.....							20
-17	BH-10-1399	Wing assy, Stub, port.....							RF
-18	BH-10-1409	. Rib, inboard, nose.....							1
-19	BH-10-425	. Rib, outboard, nose.....							1
-20	BH-10-567	. Rib assembly, mid.....							1
-21	BH-10-1451	. . Rib.....							1
-23	BH-10-1413	. Rib assy., aft.....							1
-24	BH-10-1439	. . Rib.....							1
-25	BH-10-1441	. . Angle.....							1
-26	BH-10-447	. . Angle.....							1
-27	SP93B-18	. . Grommet.....							1
-28	BH-20-131	. . Fairlead.....							2
-29	MK1000-06	. . Nut, anchor (Kaylock) (Use 28M/1275898).....							2
-30	BH-10-1419	. Rib assy.....							1
-31	BH-10-1451	. . Rib.....							1
-32	BH-10-1435	. . Angle.....							1
-33	BH-10-1401	. Angle, attachment, top.....							1
-34	BH-10-1403	. Angle, attachment, lower.....							1
-35	BH-10-1421	. Diaphragm.....							1
-36	BH-10-1417	. Diaphragm, stn. 91.....							1
-37	BH-10-289	. Angle, attachment, mid rib.....							1
-38	BH-10-313	. Angle, attachment, mid rib.....							1
-39	BH-10-1477	. Cleat, attachment, stn. 91.....							1
-40	BH-10-1443	. Cleat, attachment, stn. 100.....							1
-41	BH-10-1407	. Member, trailing edge.....							1
-42	BH-10-311	. Stiffener.....							1
-43	BH-10-899	. Stiffener.....							1

Fuselage
Centre Section and Stub Wing

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
4-44	BH-10-1423	.	Skin,leading edge,L72x22 SWG.....						1
-45	BH-10-1039	.	Skin,top forward,corrugated walkway.....						1
-46	BH-10-1037	.	Skin,top aft,corrugated walkway.....						1
-47	BH-10-1429	.	Skin,top,L72x20SWG.....						1
-47A	BH-10-3591	.	Plate,reinforcing,top,port(Mod.53).....						1
-47B	BH-10-3593	.	Plate,reinforcing,bottom,port (Mod.53).....						1
-48	BH-10-1437	.	Skin,forward bottom,L72x22SWG.....						1
-49	BH-10-1411	.	Skin,aft bottom,L72x24SWG.....						1
-50	BH-10-285	.	Strap,joint,top.....						1
-51	BH-10-303	.	Strap,joint,bottom.....						1
-52	BH-10-1425	.	Stiffener,forward access panel.....						1
-53	MF1000-3	.	Nut,anchor(Kaylock) (Use 28M/1275899).....						8
-54	BH-10-1427	.	Ring,reinforcing,aft panel.....						1
R-55	BH-10-3877	.	Panel assy.(Mod.234).....						1
R-55A #	BH-10-299/P	.	Panel(Mod.234).....						1
R-55B #	BH-10-3863	.	Gasket(Mod.234).....						1
-56	A116-1/2D	.	Bolt,10-32UNF.....						8
R-57	BH-10-3875	.	Panel assy (Mod.234).....						1
R-57A #	BH-10-1415	.	Panel (Mod.234).....						1
R-57B #	BH-10-3861	.	Gasket (Mod.234).....						1
Attaching parts									
-58	A116-1/2D		Bolt,10-32UNF.....						14
-59	SL211-3-1		Nut,clip (Shurlock).....						14
-60	BH-10-1001	.	Bracket.....						1
-61	BH-10-1003	.	Plate,dished.....						1
-62	BH-10-2839	.	Strake,stall.....						1
-63	MF1000-08	.	Nut,anchor,floating(Kaylock) (Use 28M/1301339).....						7
-64	BH-10-1400	.	Wing assy,stub,stbd.....						RF
-65	BH-10-1410	.	Rib,inboard,nose.....						1
-66	BH-10-426	.	Rib,outboard,nose.....						1
-67	BH-10-568	.	Rib assy.mid.....						1
-68	BH-10-1452	.	Rib.....						1
-70	BH-10-1414	.	Rib assy,aft.....						1
-71	BH-10-1440	.	Rib.....						1
-72	BH-10-1442	.	Angle.....						1
-73	BH-10-448	.	Angle.....						1
-74	SP93-A18	.	Grommet.....						1
-75	BH-10-131	.	Fairlead.....						2

Item not illustrated

Fuselage
Centre Section and Stub Wing

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
4-76	MK10000-06	. . Nut, anchor (Kaylock) (Use 28M/1275898).....							2
-77	BH-10-1420	. Rib assy.....							1
-78	BH-10-1452	. . Rib.....							1
-79	BH-10-1436	. . Angle.....							1
-80	BH-10-1402	. Angle, attachment, top.....							1
-81	BH-10-1404	. Angle, attachment, lower.....							1
-82	BH-10-1422	. Diaphragm.....							1
-83	BH-10-1418	. Diaphragm, stn. 91.....							1
-84	BH-10-290	. Angle, attachment, mid rib.....							1
-85	BH-10-314	. Angle, attachment, mid rib.....							4
-86	BH-10-1478	. Cleat attachment, stn. 91.....							1
-87	BH-10-1444	. Cleat attachment, stn. 100.....							1
-88	BH-10-1408	. Member, trailing edge.....							1
-89	BH-10-312	. Stiffener.....							1
-90	BH-10-900	. Stiffener.....							1
-91	BH-10-1424	. Skin, leading edge, L72x22SWG.....							1
-92	BH-10-1040	. Skin, top forward, corrugated walkway.....							1
-93	BH-10-1038	. Skin, top aft, corrugated walkway.....							1
-94	BH-10-1430	. Skin, top, L72x20SWG.....							1
-94A	BH-10-3592	. Plate reinforcing, top, stbd. (Mod. 53).....							1
-94B	BH-10-3594	. Plate reinforcing bottom, stbd. (Mod. 53).....							1
-95	BH-10-1438	. Skin, forward bottom, L72x22SWG.....							1
-96	BH-10-1412	. Skin, aft bottom, L72x24SWG.....							1
-97	BH-10-285	. Strap, joint, top.....							1
-98	BH-10-303	. Strap, joint, bottom.....							1
-99	BH-10-1425	. Stiffener, forward access panel.....							1
-100	MF1000-3	. Nut, anchor (Kaylock) (Use 28M/1275899).....							8
-101	BH-10-1427	. Ring, reinforcing, aft panel.....							1
R-102	BH-10-3877	. Panel assy (Mod. 234).....							1
R-102A #	BH-10-299/P	. . Panel (Mod. 234).....							1
R-102B #	BH-10-3863	. . Gasket (Mod. 234).....							1
-103	A116-1/2D	. Bolt, 10-32 UNF.....							8
R-104	BH-10-3875	. Panel assy (Mod. 234).....							1
R-104A #	BH-10-1415	. . Panel (Mod. 234).....							1
R-104B #	BH-10-3861	. . Gasket (Mod. 234).....							1
-105	A116-1/2D	. Bolt, 10-32 UNF.....							14
-106	SL211-3-1	. Nut, clip (Shurlock).....							14
-107	BH-10-1002	. Bracket.....							1
-108	BH-10-1003	. Plate, dished.....							1
-109	BH-10-2839	. Strake, stall.....							1

Item not illustrated

Fuselage
Centre Section and Stub Wing

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-110	MF1000-08	.	Nut, anchor, floating (Kaylock) (Use 28M/1301339).....		7
-111	A112-4E	.	Bolt, 1/4 UNF.....		4
-112	H10-4	.	Nut (Kaylock).....		4
-113	SP126-E	.	Washer.....		4
-114	BH-81-427	.	Bracket assy, flap indicator, transmitter mounting.....		1
-115	BH-81-425	.	Angle, fuselage attachment.....		1
-116	BH-10-3017/18		Crotch, strap, anchorage.....		RF
-117	BH-10-3021	.	Rollover, harness, port.....		1
-118	BH-10-3022	.	Rollover, harness, stbd.....		1
-119	BH-10-3023	.	Fairlead.....		2
-120	BH-10-3025	.	Plate.....		2

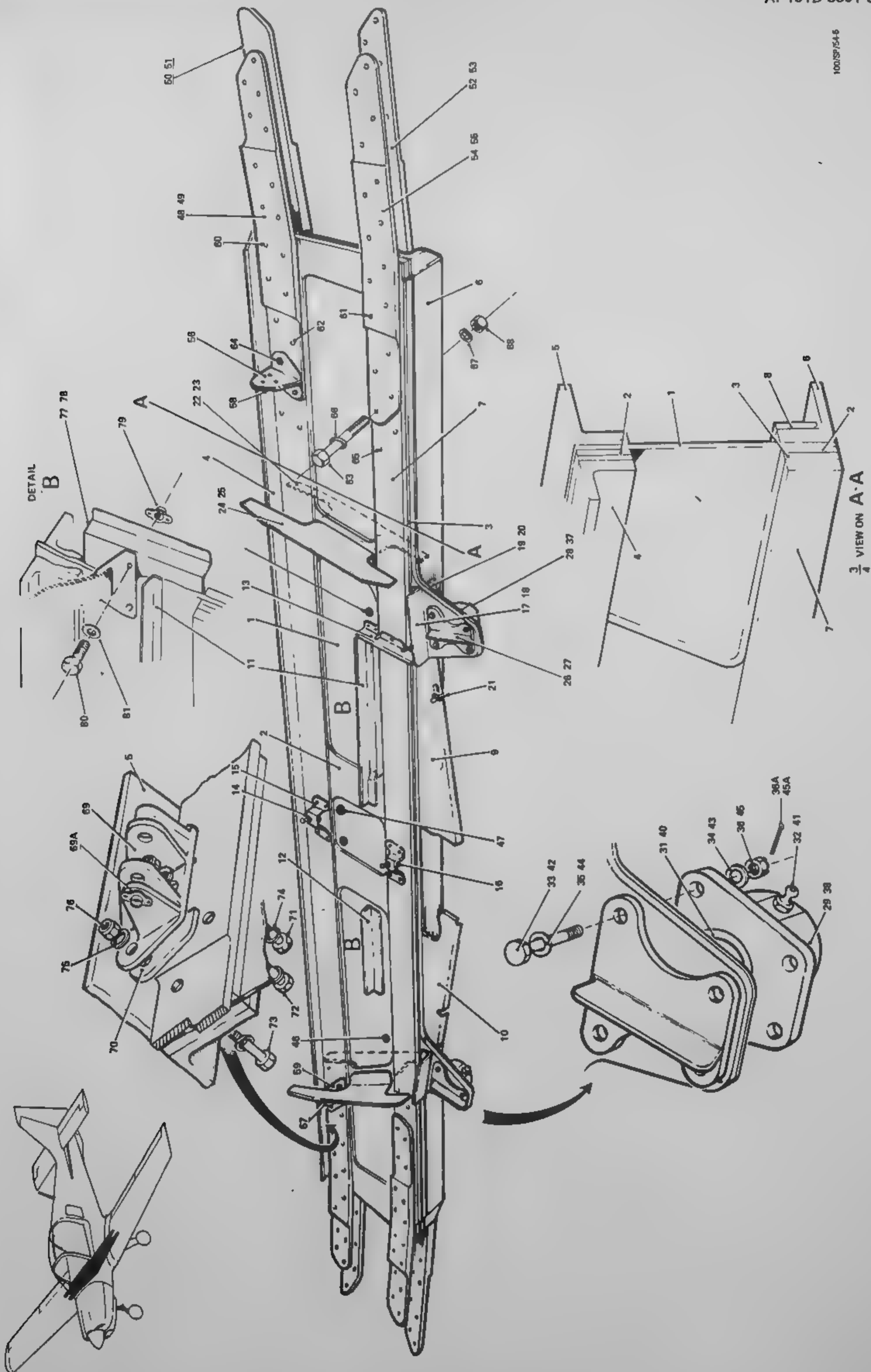


Fig. 5 Centre section, main spar

Fuselage
Centre Section Main Spar

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
5-	BH-10-261		Main spar assembly, strn. 73		RF
-1	BH-10-261/3		. Web, L72 x16 SWG		1
-2	BH-10-261/5		. Doubler, web, L72 x 16 SWG		1
-3	BH-10-261/7		. Doubler, web, L 72 x 16 SWG		1
-4	BH-10-411		. Boom, forward top L65, section D2168		1
-5	BH-10-415		. Boom, aft top, L65, section D2168		1
-6	BH-10-413		. Boom, lower, L65 section D2168		1
-7	BH-10-261/9		. Strap, spar forward lower, S520 x 10 SWG		1
-8	BH-10-261/11		. trap, spar lower aft, S250 x 10 SWG		1
-9	BH-10-383		. Diaphragm, lower port.....		1
-10	BH-10-1265		. Diaphragm, lower stbd		1
-11	BH-10-375		. Angle, attachment, floor panel, port.....		1
-12	BE-10-10937		. Angle, attachment, floor panel, stbd		1
-13	BH-10-377		. Angle, fuel box mounting		1
-14	BH-10-939		. Bracket assembly, elevator stop.....		2
-15	BH-10-937		. . Bracket, stop		2
-16	MK1000-3		. . Nut, anchor (Kaylock)		2
-17	BH-10-379		. Angle, skin attaching, port. aft.....		1
-18	BH-10-380		. Angle, skin attaching, stbd. aft.....		1
-19	BH-10-381		. Angle, skin attaching, port forward		1
-20	BH-10-382		. Angle, skin attaching, stbd. forward.....		1
-21	SS313-1		. Cleat, stringer attaching		2
-22	BH-10-267		. Cleat, skin attaching, port aft		1
-23	BH-10-268		. Cleat, skin attaching, stbd aft.....		1
-24	BH-10-273		. Cleat, skin attaching, port forward		1
-25	BH-10-274		. Cleat, skin attaching, stbd forward		1
-26	BE-10-10273		. Attachment, drag, 'T' member, landing gear, stbd		1
-27	BE-10-10274		. Attachment, drag, 'T' member, landing gear port.....		1
-28	BH-10-3661		. Bearing assembly, landing gear housing, port (Mod. 144)		1
-29	BH-10-3657		. . Housing, bearing (Mod. 144).....		1
			Alternative		
	BH-10-3659		. . Housing, bearing (Mod. 144).....		1
-31	BE-10-10257		. . Bush		1
-32	SP-115		. . Nipple, grease		1
-33	A111-5G		. Bolt, 5/16 in. UNF.....		4
-34	SP126G		. Washer		4
-35	SP122G		. Washer		4
-36	A103-GS		. Nut, slotted (Mod. 207)		4
-36A	SP90-E7		. Pin, split (Mod. 207)		4
-37	BH-10-3662		. Bearing assembly, landing gear housing stbd. (Mod. 144).....		1
-38	BH-10-3658		. . Housing, bearing (Mod. 144).....		1
			Alternative		
	BH-10-3660		. . Housing, bearing (Mod. 144).....		1
-40	BE-10-10257		. . Bush		1
-41	SP-115		. . Nipple, grease		1
-42	A111-5G		. Bolt, 5/16 in. UNF.....		4
-43	SP126G		. Washer		4
-44	SP122G		. Washer		4
-45	A103-GS		. Nut, slotted (Mod. 207)		4
-45A	SP90-E7		. Pin, split (Mod. 207)		4
-46	SP93-B18		. Grommet.....		2
-47	G51-HA		. Grommet flexiform (2 positions) (Hellermann).....		AR
-48	BH-10-147		. Fitting, attachment, forward upper, port		1
-49	BH-10-148		. Fitting, attachment, forward upper, stbd		1

Fuselage
Centre Section Main Spar

Fig ■	Part No.	Nomenclature	Usage Code	Units per assy.
Index	1 2 3 4 5 6			
5-50	BE-20-10167/1	. Fitting, attachment, aft upper, port.....		1
-51	BE-20-10167/2	. Fitting, attachment, aft upper, stbd.....		1
-52	BE-20-10167/3	. Fitting, attachment, aft lower, port.....		1
-53	BE-20-10167/4	. Fitting, attachment, aft lower, stbd.....		1
-54	BH-10-149	. Fitting, attachment, forward lower, port.....		1
-55	BH-10-150	. Fitting, attachment, forward lower, stbd.....		1
-56	BH-10-385	. Bracket, outboard, port.....		1
-57	BH-10-386	. Bracket, outboard, stbd.....		1
-58	BH-10-387	. Bracket, inboard, port.....		1
-59	BH-10-388	. Bracket, inboard, stbd.....		6
-60#	A111-18G	. Bolt, port and stbd. 5/16 in. UNF.....		8
-61#	A111-16G	. Bolt, port and stbd. 5/16 in. UNF.....		5
-62#	A111-14G	. Bolt, port and stbd. 5/16 in. UNF.....		6
-63	A111-13G	. Bolt, port and stbd. 5/16 in. UNF.....		4
-64#	A111-12G	. Bolt, port and stbd. 5/16 in. UNF.....		8
-65#	A111-10G	. Bolt, port and stbd. 5/16 in. UNF.....		37
-66	SP124-G	. Washer, port and stbd.....		37
-67	SP125-G	. Washer, port and stbd.....		37
R -68	AS8600G	. Nut, stiff, port and stbd. (Kaylock).....		1
-69	BH-20-483	. Bracket, flap motor attachment, stbd. only.....		1
-69A	K3000-3	. . Nut, anchor (Kaylock).....		1
-70	BH-10-957	. Packer.....		1
-71	A111-19G	. Bolt, 5/16 in. UNF.....		1
-72	A112-19G	. Bolt, 5/16 in. UNF.....		1
-73	A111-18G	. Bolt, 5/16 in. UNF.....		3
-74	SP124-G	. Washer.....		3
-75	SP125-G	. Washer.....		3
-76	H10-5	. Nut (Kaylock).....		1
-77	BH-10-3019	. Top, hat, port.....		1
-78	BH-10-3020	. Top, hat, stbd.....		4
-79	MK1000-4	. Nut, anchor (Kaylock) (use 28M/1301319).....		4
-80	A102-2E	. Bolt, harness attachment, 1/4 in. UNF.....		4
-81	SP122-E	. Washer.....		4

#Item not illustrated

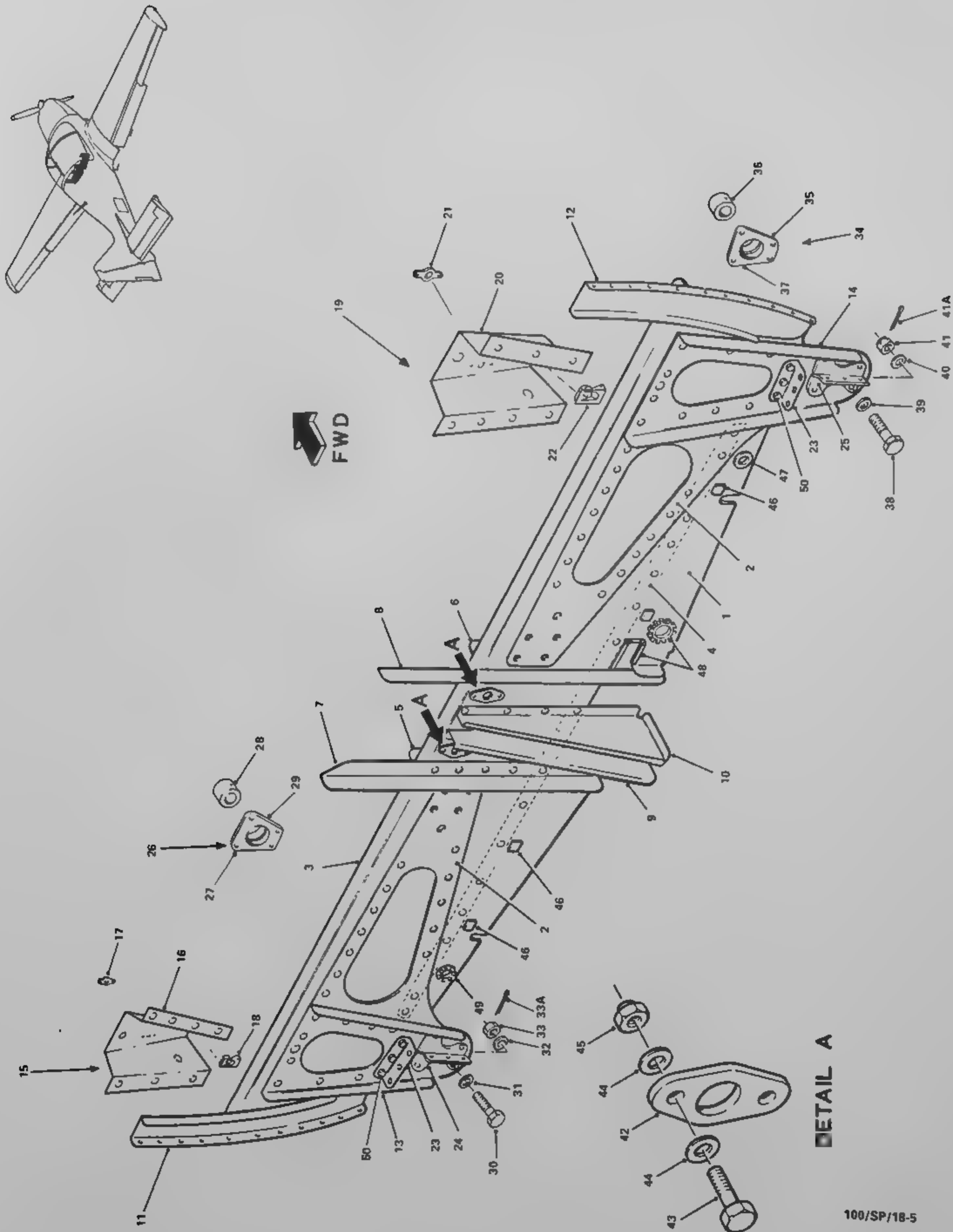


Fig. 6 Frame stn 82

Fuselage
Frame stn. 82

Fig & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy.
6-	BH-10-523							Frame assy. stn. 82.0.....		1
-1	BH-10-587							. Web, frame.....		1
-2	BH-10-581							. Doubler, web.....		2
-3	BH-10-583							. Angle, stiffening, top.....		1
-4	BE-10-50015/1							. Angle, stiffening lower, L72 x 16 SWG.....		1
-5	BH-10-585							. Angle, attachment, console forward, port.....		1
-6	BH-10-586							. Angle, attachment, console forward, stbd.....		1
-7	BH-10-2957							. Angle, attachment, console aft, port.....		1
-8	BH-10-2958							. Angle, attachment, console aft, stbd.....		1
-9	BE-10-10227							. Bracket, pulley mounting, port.....		1
-10	BE-10-10228							. Bracket, pulley mounting, stbd.....		1
-11	BH-10-1173							. Frame, side, port.....		1
-12	BH-10-1174							. Frame, side, stbd.....		1
-13	BE-10-10225							. Channel, mounting, landing gear, port.....		1
-14	BE-10-10226							. Channel, mounting, landing gear, stbd.....		1
-15	BH-10-989							. Bracket, assy, port.....		1
-16	BH-10-977							. Bracket.....		1
-17	MK1000-3							. Nut, anchor (kaylock).....		1
-18	SL211-08-1							. Nut, clip (Shurlock).....		1
-19	BH-10-990							. Bracket assy, stbd.....		1
-20	BH-10-978							. Bracket.....		1
-21	MK1000-3							. Nut, anchor (Kaylock).....		1
-22	SL211-08-1							. Nut, clip (Shurlock).....		1
-23	BE-10-10233							. Cleat, skin attaching.....		2
-24	BE-10-10273							. Member, 'T' drag attachment landing gear, port.....		1
-25	BE-10-10274							. Member, 'T' drag attachment landing gear, stbd.....		1
R -26	BH-10-3662							. Bearing assy, landing gear, port (Mod.144).....		1
R -27	BH-10-3658							. Housing, bearing (Mod.144).....		1
								Alternative		
	BH-10-3660							. Housing, bearing (Mod.144).....		1
-28	BE-10-10257							. Bush.....		1
-29	SP-115							. Nipple, grease.....		1
-30	A111-4G							. Bolt, 5/16 in. UNF.....		4
-31	SP126-G							. Washer.....		4
-32	SP-122-G							. Washer.....		4
-33	A103-GS							. Nut, slotted (Mod.207).....		4
-33A	SP90-E7							. Pin, split (Mod.207).....		4
R -34	BH-10-3661							. Bearing assy, landing gear, stbd. (Mod.144).....		1
R -35	BH-10-3657							. Housing, bearing (Mod.144).....		1
								Alternative		
	BH-10-3659							. Housing, bearing (Mod.144).....		1
-36	BE-10-10257							. Bush.....		1
-37	SP-115							. Nipple, grease.....		1
-38	A111-4G							. Bolt, 5/16 in. UNF.....		4
-39	SP126-G							. Washer.....		4
-40	SP122-G							. Washer.....		4
-41	A103-GS							. Nut, slotted (Mod.207).....		4
-41A	SP90-E7							. Pin, split (Mod.207).....		4
-42	SS312-1							. Fairlead.....		2
-43	A102-1D							. Bolt, 10-32 UNF.....		4
-44	SP126-D							. Washer.....		4
-45	H10-3							. Nut, (Kaylock).....		4
-46	TC-118							. Clip, tyrap.....		4
-47	SP93-A18							. Grommet.....		1
-48	G51-HA							. Grommet, flexiform (Hellermann).....		AR
-49	G51-P-A							. Grommet, flexiform (Hellermann).....		AR
-50	PH190-4							. Jo-bolt, hx. hd. (Avdel).....		6

Chapter 15

FUSELAGE

Section 3

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Rear console	14

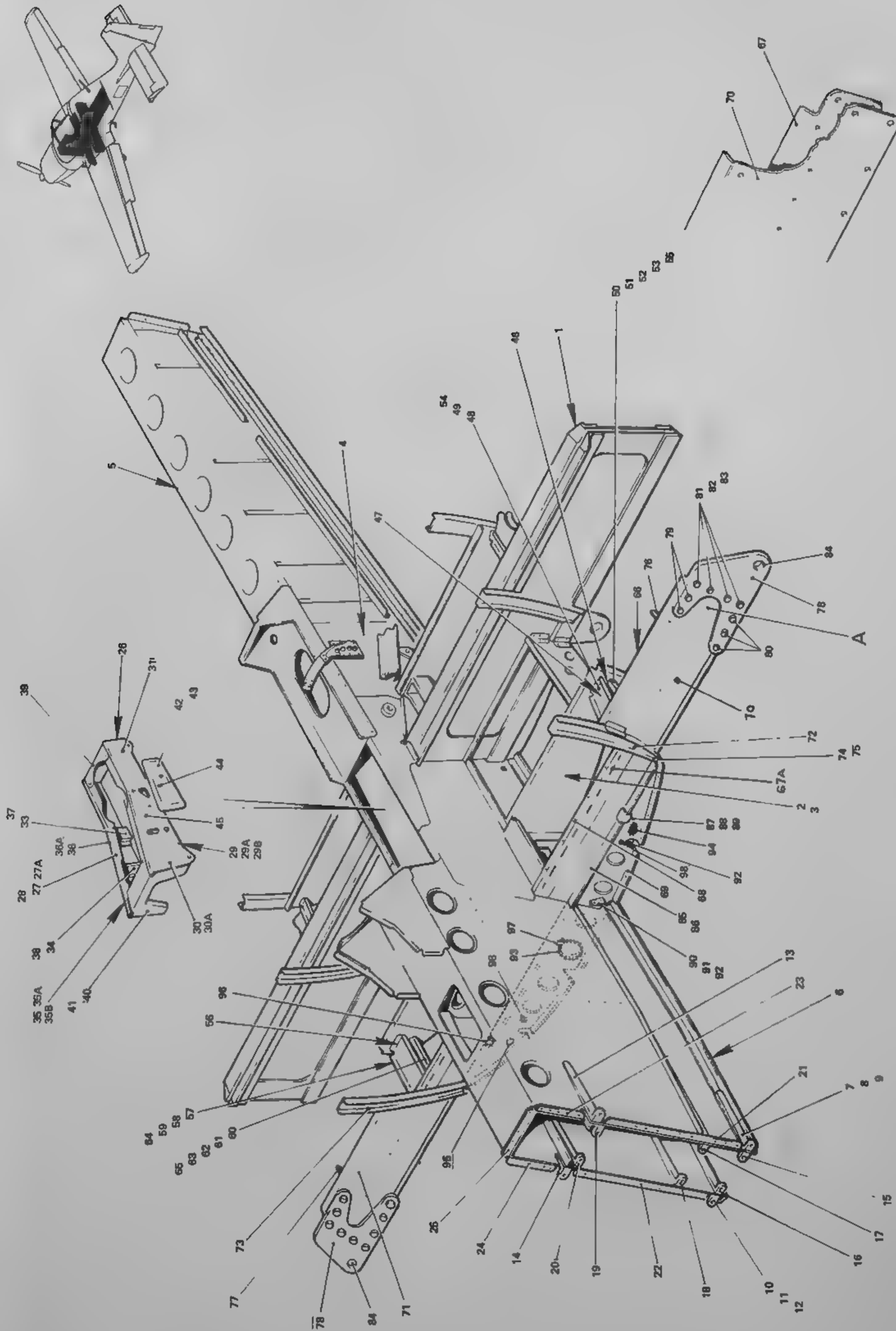


Fig. 1 Console assy

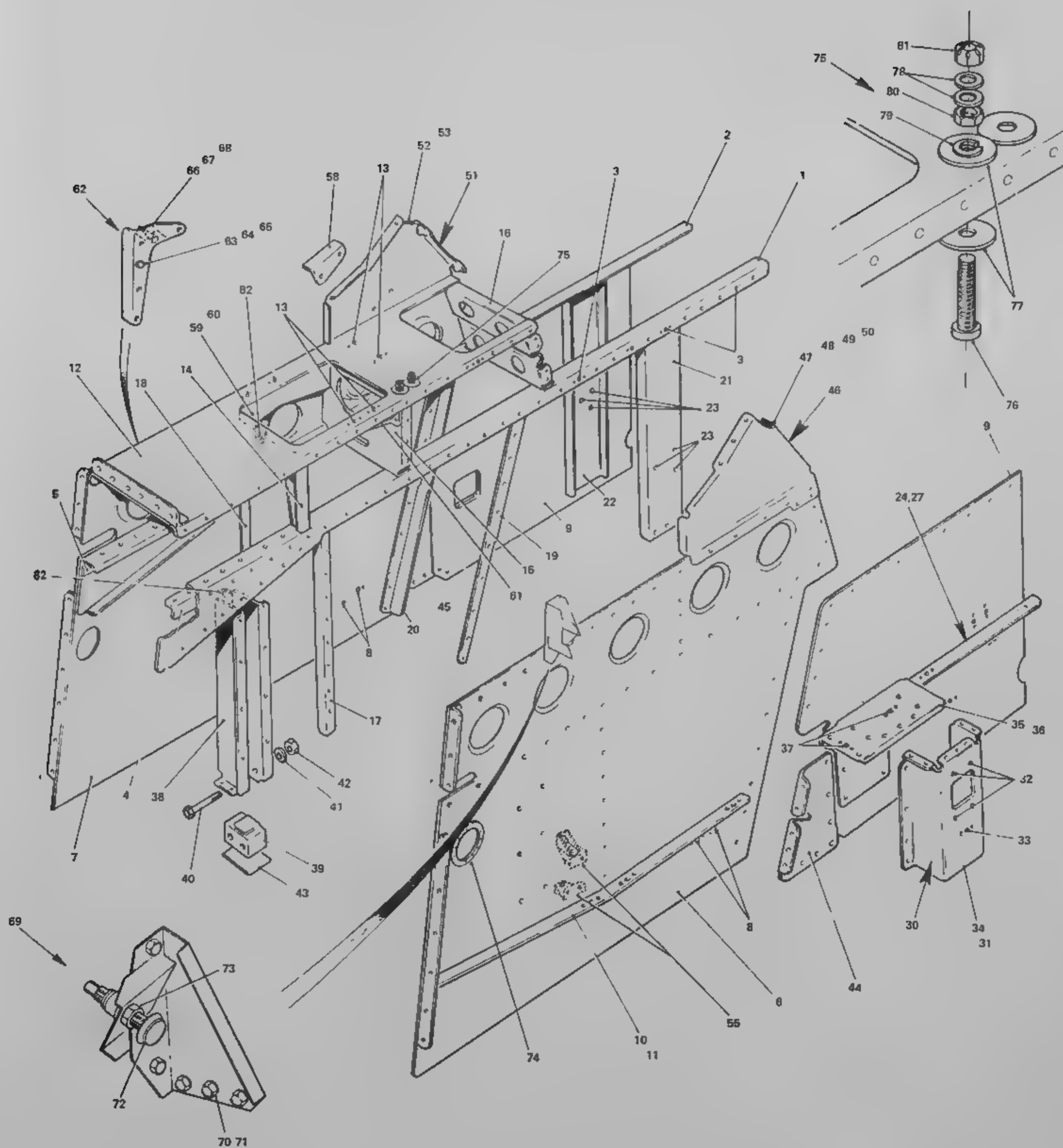
Fuselage
Console Assembly

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-1	BH-10-261		Main spar assy, stn. 73 (Chap. 15-2, Fig. 5)		RF
-2	BH-10-3321		Frame assy, stn. 64, port (Chap. 15-2, Fig. 2)		RF
-3	BE-10-10281		Frame assy, stn. 64, stbd. (Chap. 15-2, Fig. 2)		RF
-4	BH-10-327		Centre console assy, Fig. 3		RF
-5	BH-10-517		Rear console assy, Fig. 4		RF
-6	BH-10-323		Forward console assy, Fig. 2		RF
-7	BE-10-10531		. Foot assy, engine lower mounting, port		1
-8	BE-10-10531/3		. . Foot, mounting		1
-9	42ND24-064		. . Nut, spline, 3/8 in. UNF (T.J. Brooks)		1
-10	BE-10-10532		. Foot assy, engine lower mounting, stbd.		1
-11	BE-10-10531/4		. . Foot, mounting		1
-12	42ND24-064		. . Nut, spline, 3/8 in. UNF (T.J. Brooks)		1
-13	BH-10-2315		. Foot, mounting, engine upper, port		1
-14	BH-10-2316		. Foot, mounting, engine, upper, stbd.		1
-15	BH-10-2317		. Foot, mounting, landing gear, lower, port		1
-16	BH-10-2318		. Foot, mounting, landing gear, lower, stbd.		1
-17	BH-10-2320		. Foot, mounting, landing gear, centre, port		1
-18	BH-10-2319		. Foot, mounting, landing gear, centre, stbd.		1
-19	BH-10-2322		. Foot, mounting, landing gear, upper, port		1
-20	BH-10-2321		. Foot, mounting, landing gear, upper, stbd.		1
-21	BE-10-10635		. Angle, firewall attachment, port, bottom		1
-22	BE-10-10636		. Angle, firewall attachment, stbd., bottom		1
-23	BE-10-10637		. Angle, firewall attachment, port, top		1
-24	BE-10-10633		. Angle, firewall attachment, stbd., top		1
-25	BE-10-11093		. Angle, firewall attachment, top		1
R	-26	BH-10-365 issue 28	. Box assy, console (Pre mod. 137)		1
R		BH-10-365 issue 29	. Box assy, console (Mod. 137)		1
	-27	BH-10-991	. . Console assy, control (Pre-Mod. 137)		1
	-27A	BH-10-3723	. . Console assy, control (Mod. 137)		1
	-28	A116-1/2B	. . Bolt, 6-32 UNC		4
	-29	BH-10-969	. . Member assy, side, port (Pre-Mod. 137)		1
	-29A	BH-10-3721	. . Member assy, side port (Mod. 137)		1
	-29B	BH-47-327	. . . Plate (Mod.137)		1
	-30	BH-10-961	. . . Member, side (Pre-Mod. 137)		1
	-30A	BH-10-3713	. . . Member, side (Mod. 137)		1
	-31	BH-10-635	. . . Support, trim roller		1
	-33	BH-10-489	. . . Support, trim wheel		1
	-34	BH-10-491	. . . Support, lever engine control		1
	-35	BH-10-971	. . Member assy, side stbd. (Pre-Mod. 137)		1
	-35A	BH-10-3719	. . Member assy, side, stbd. (Mod. 137)		1
	-35B	BH-47-328	. . . Plate (Mod. 137)		1
	-36	BH-10-963	. . . Member, side (Pre-Mod. 137)		1
	-36A	BH-10-3711	. . . Member, side (Mod.137)		1
	-37	BH-10-490	. . . Support, trim wheel		1
	-38	BH-10-491	. . . Support, lever, engine control		1
	-39	BH-10-505	. . Member, closing		1
	-40	BH-10-561	. . Member, bridge		1
	-41	MF1000-08	. . Nut, anchor (Kaylock) (Use 28M/1301339)		7
	-42	BH-10-959	. . Panel, cover, port		1
	-43	BH-10-960	. . Panel, cover, stbd.		1
	-44	A173-1C	. . Bolt, 8-32 UNC		4
	-45	SL212-08-1	. . Nut, clip (Shurlock)		4
	-46	BH-10-3103	. Bracket assy, aileron pulley, stn. 62.5, port		1
	-47	BH-10-399	. . Diaphragm assy, upper		1
	-48	BH-10-399/1	. . . Diaphragm		1
	-49	BE-10-10533	. . Washer, packing		1
	-50	BH-10-401	. . Diaphragm assy, lower		1
	-51	BH-10-401/3	. . . Diaphragm		1
	-52	BE-10-10533	. . Washer, packing		1
	-53	MK4000-4	. . Nut, anchor (Kaylock)		1
	-54	BH-10-403	. . Angle, attachment		1
	-55	BH-10-3033	. . Angle, attachment		1
	-56	BH-10-3104	. Bracket assy, aileron pulley, stn. 62.5, stbd.		1

Fuselage
Console Assembly

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
R 1-57	BH-10-400	. . Diaphragm assy, upper		1
-58	BH-10-399/2	. . . Diaphragm		1
-59	BE-10-10533	. . Washer, packing		1
-60	BH-10-402	. . Diaphragm assy, lower		1
-61	BH-10-401/4	. . . Diaphragm		1
-62	BE-10-10533	. . Washer, packing		1
-63	MK4000-4	. . Nut, anchor (Kaylock)		1
-64	BH-10-404	. . Angle, attachment		1
-65	BH-10-3034	. . Angle, attachment		1
-66	BH-10-3105	Spar assy, front		1
-67	BH-10-851	. Channel		1
-67A	BH-10-3003	. Angle		6
-68	SL211-3-1	. Nut, clip (Shurlock)		1
-69	BH-10-853	. Frame		1
-70	BH-10-781	. Web, spar, port		1
-71	BH-10-782	. Web, spar, stbd.		1
-72	BE-10-10325	. Frame side, port		1
-73	BE-10-10326	. Frame side, stbd.		1
-74	BH-10-009	. Cleat, corner, port		1
-75	BH-10-010	. Cleat, corner, stbd.		1
-76	BH-10-019	. Cleat, attachment, port		1
-77	BH-10-020	. Cleat, attachment, stbd.		2
-78	BH-10-007	. Fitting, root end, mainplane attachment		4
-79	2101-08-05	. Bolts-Jo (Avdel)		6
-80	2101-08-06	. Bolts-Jo (Avdel)		4
-81	A112-4E	. Bolt, 1/4 in. UNF		4
-82	H10-4	. Nut (Kaylock)		4
-83	SP126-E	. Washer		2
-84	BH-10-227	. Bush		1
-85	BH-10-035	. Angle, floor, port		1
-86	BH-10-036	. Angle, floor, stbd.		1
-87	B2-10-4393	. Bracket assy.		1
-88	B2-10-4395	. . Bracket		2
-89	K1000-06	. . Nut, anchor (Kaylock)		2
-90	B2-10-4973	. Bracket assy.		2
-91	B2-10-4975	. . Bracket		2
-92	K1000-05	. . Nut, anchor (Kaylock)		A/R
-93	G51P-A	. Grommet, flexiform (Hellermann), 6.3 in. lg.		A/R
-94	G51P-A	. Grommet, flexiform (Hellermann), 3.0 in. lg.		1
-95	SP93-A-18	. Grommet		1
-96	TC106	. Angle, mounting (Thomas & Betts)		1
-97	BH-81-295	. Angle, cable duct		2
-98	MS35489-12	. Grommet		

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Fig. 2 Forward console

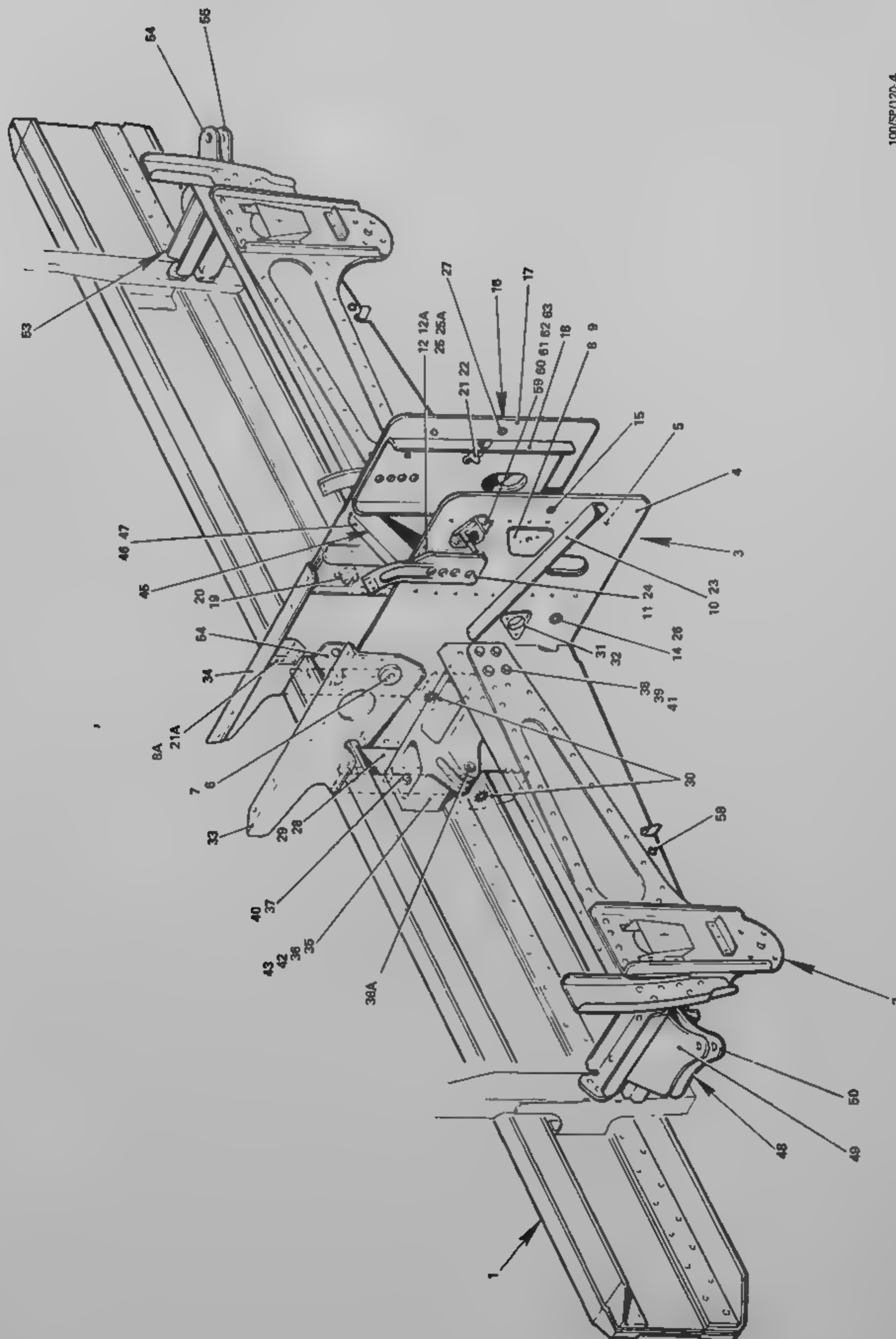
Fuselage
Forward Console

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-10-323		Console assy, forward		RF
-1	BH-10-539		. Angle, support, port		1
-2	BH-10-540		. Angle, support, stbd.		1
-3	MF1000-08		. Nut, anchor (Kaylock) (Use 28M/1301339)		6
-4	BE-10-10491		. Angle, upper, reinforcing, port		1
-5	BE-10-10492		. Angle, upper, reinforcing, stbd.		1
-6	BH-10-543		. Panel, side, forward, port		1
-7	BH-10-544		. Panel, side, forward, stbd.		1
-8	MK1000-06-BC		. Nut, anchor, port and stbd. (Kaylock)		4
-9	BH-10-545		. Panel, side, aft		2
-10	BH-10-2327		. Angle, support, nose landing gear, port		1
-11	BH-10-590		. Angle, support, nose landing gear, stbd.		1
-12	BH-10-1123		. Member, channel, top		1
-13	F5000-3		. Nut, anchor (Kaylock)		6
-14	BH-10-2275		. Diaphragm, top, stn. 43		1
-15	BH-10-547		. Diaphragm, top, stn. 50		1
-16	BH-10-533		. Diaphragm, top, stn. 60		1
-17	BE-10-10499		. Angle, stiffening, forward, port		1
-18	BE-10-10500		. Angle, stiffening, forward, stbd.		1
-19	BH-10-625		. Angle, stiffening, centre, port		1
-20	BH-10-626		. Angle, stiffening, centre, stbd.		1
-21	BE-10-10517		. Channel, stiffening, rear, port		1
-22	BE-10-10518		. Channel, stiffening, rear, stbd.		1
-23	MF1000-3		. Nut, anchor (Kaylock) (Use 28M/1275899)		8
-24	BH-10-531		. Angle assy, fuel box, port		1
-27	BH-10-532		. Angle assy, fuel box, stbd.		1
-29	BH-10-955		. Spacer		1
-30	BE-10-10433		. Support assy, bearing		2
-31	BE-10-10433/1		. . Bracket, support		1
-32	MK1000-3		. . Nut, anchor (Kaylock) (Use 28M/1275899)		4
-33	MK1000-06		. . Nut, anchor (Kaylock) (Use 28M/1275898)		1
-34	BE-10-10435		. Angle, attachment		2
-35	BH-10-603		. Bracket, plate, top, port		1
-36	BH-10-604		. Bracket, plate, top, stbd.		1
-37	MF1000-3		. Nut, anchor (Kaylock)		4
-38	BE-10-10519		. Channel, jacking pad, mounting, port		1
-39	BE-10-11109		. . Block assy, support		1
-40	A102-11D		. Bolt, hex. hd, 10-32 UNF		2
-41	SP125-D		. Washer		4
-42	H14-3		. Nut (Kaylock)(Use 28M/1275904)		2
-43	BE-10-10381/9		. Pad, jacking		1
-44	BH-10-541		. Plate, side wall cover, port		1
-45	BH-10-542		. Plate, side wall cover, stbd.		1
-46	BH-10-2567		. Diaphragm assy, port		1
-47	BH-10-2565		. . Diaphragm		1
-48	SL210-08-1		. . Nut, clip (Shurlock)		2
-49	MK1000-8BC		. . Nut, anchor (Kaylock)		2
-50	MK1000-3BC		. . Nut, anchor (Kaylock)		2
-51	BH-10-2568		. Diaphragm assy, stbd.		1
-52	BH-10-2566		. . Diaphragm		1
-53	SL210-08-1		. . Nut, clip (Shurlock)		2
-55	BH10-1593		. Bracket assy, port		2
-58	BE-10-11405		. Bracket, panel mounting attachment, stbd.		1
-59	BH-10-2273		. Bracket, support, port		2
-60	BH-10-2274		. Bracket, support, stbd.		1
-62	BH-10-2217		. Bracket assy, rudder stop, stbd.		1
			Attaching parts		
-63	A102-1/2D		Bolt, 10-32 UNF		6
-64	SP-124-D		Washer		6
-65	H-10-3		Nut (Kaylock)		6

Fuselage
Forward Console

Fig. & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy.
2-66	BH-10-1987	.	.	.	.	.	.	Bolt, stop		1
-67	A103-ET	.	.	.	.	.	.	Nut, thin		1
-68	A158-E	.	.	.	.	.	.	Nut, anchor		1
-69	BH-10-1989	.	.	.	.	.	.	Bracket assy, rudder stop, port		1
								Attaching Parts		
-70	A102-1D							Bolt, 10-32UNF		5
-71	SP-124D							Washer		5
-72	BH-10-1987	.	.	.	.	.	.	Bolt, stop		1
-73	A103-ET	.	.	.	.	.	.	Nut, thin		1
-74	BH-10-2177	.	.	.	.	.	.	Ring, reinforcing (riveted)		2
-75	SS135-10/32	.	.	.	.	.	.	Earth point assy		2
-76	A217-D32	.	.	.	.	.	.	Bolt, 10-32 UNF		1
-77	SP-18-C	.	.	.	.	.	.	Washer		2
-78	SP-123D	.	.	.	.	.	.	Washer		2
-79	SP-47C	.	.	.	.	.	.	Washer, spring		1
-80	A103-DT	.	.	.	.	.	.	Nut, thin		1
-81	A126-D	.	.	.	.	.	.	Nut (Kaylock)		1
-82	BH-20-131	.	.	.	.	.	.	Fairlead		1

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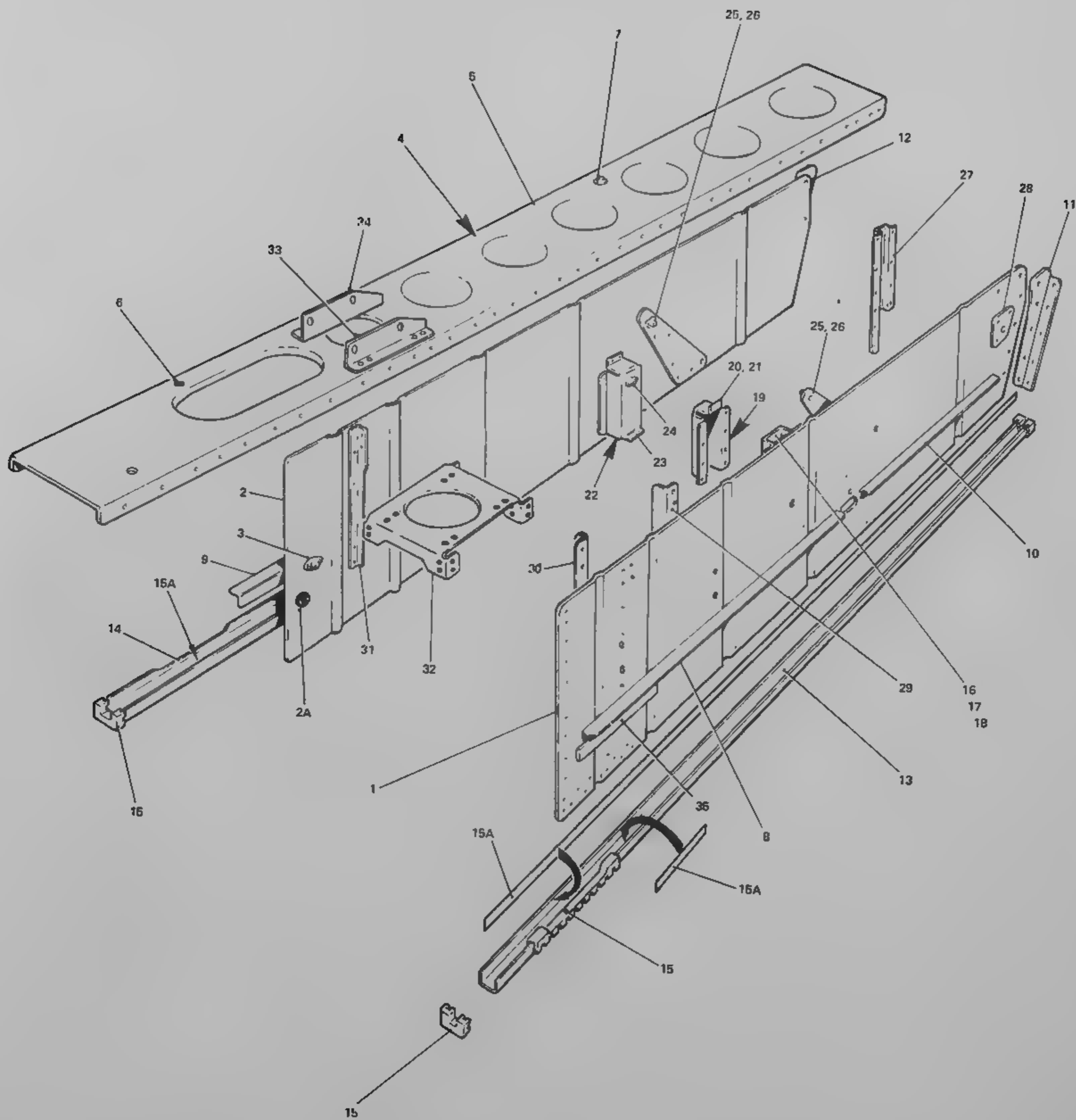
Fig 3 Centre console
(Mod 32 inc)

Fuselage
Centre Console

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-	BH-10-327		Centre console assy		RF
-1	BH-10-261		. Spar assy, main Chap. 15-2, Fig. 5		RF
-2	BH-10-523		. Frame assy, strn. 82 Chap. 15-2, Fig. 6		RF
-3	BH-10-2937		. Panel assy, side port		1
-4	BH-10-599		. . Panel		1
-5	BH-10-2859		. . Channel, reinforcing		1
-6	BH-10-2939		. . Block, bearing		1
-7	K1000-6		. Nut, anchor (Kaylock) ..		1
-8	BH-10-2591		. . Plate, reinforcing		1
-8A	BH-10-2959		. . Doubler, reinforcing		1
-9	K1000-5		. . Nut, anchor (Kaylock)		1
-10	BH-10-2605		. . Angle, seat		1
-11	BH-10-2941		. . Plate, striker		1
-12	BH-10-2943		. . Doubler		1
-12A	BH-10-2945		. . Angle		1
-13	MK1000-04		. . Nut, anchor (Kaylock)		2
-14	SP93-A18		. . Grommet		1
-15	SP93-B8		. . Grommet		1
-16	BH-10-2938		. Panel assy, side stbd.		1
-17	BH-10-600		. . Panel		1
-18	BH-10-2860		. . Channel, reinforcing .		1
-19	BH-10-2940		. . Block, bearing		1
-20	K1000-6		. Nut, anchor (Kaylock)		1
-21	BH-10-2592		. . Plate, reinforcing ..		1
-21A	BH-10-2960		. . Doubler, reinforcing		1
-22	K1000-5		. . Nut, anchor (Kaylock)		1
-23	BH-10-2606		. . Angle, seat		1
-24	BH-10-2942		. . Plate, striker		1
-25	BH-10-2943		. . Doubler		1
-25A	BH-10-2946		. . Angle		1
-26	SP93-A18		. . Grommet		1
-27	SP93-B8		. . Grommet		1
-28	BH-10-059		. Angle, attachment, port		1
-29	BH-10-060		. Angle, attachment, stbd.		1
-30	MS34489-12		. Grommet, port and stbd.		1
-31	BE-10-10373		. Fairlead		2
-32	SP58-58C		. Burr, rivet		6
-33	BH-10-2955		. Member, console joint, port		1
-34	BH-10-2956		. Member, console joint, stbd.		1
-35	BE-10-50019		. Bracket u/c damper mounting, port		1
-36	BE-10-50020		. Bracket u/c damper mounting, stbd.		1
-36A	BE-10-50037		. . Bush, port and stbd.		2
R -37	A111-3G		. Bolt, 5/16 in. UNF (strn. 73)		8
-38	A111-2G		. Bolt, 5/16 in. UNF (strn. 82)		8
-39	SP126-G		. Washer		24
-40	SP122-G		. Washer (strn. 73)		8
-41	H10-5		. Nut (Kaylock)		16
-42	BE-10-50019/3		. Bracket .		1
-43	BE-10-50019/5		. Bracket		1
-45	BH-10-1115		. Channel assy		1
-46	BH-10-1111		. . Channel		1
-47	BH-10-1113		. . Strip, nylon		1
-48	BH-10-319		. Bracket assy, aileron pulley, port		RF
-49	BH-10-319 SA1		. . Bracket		1
-50	BH-10-319 SA2		. . Bracket		1

Fuselage
Centre Console

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-53	BH-10-320	.	Bracket assy, aileron pulley, stbd		RF
-54	BH-10-320SA1	.	Bracket		1
-55	BH-10-320SA2	.	Bracket		1
-59	BH-16-743	.	Plate, serrated, seat stop, port and stbd., Mod. 32		2
-60	BH-16-741	.	Angle, serrated, Mod. 32		2
			Attaching Parts		
-61	A102-2D		Bolt		2
-62	SP124-D		Washer		2
-63	H10-3		Nut		2



100/RAF/60-1

Fig. 4 Rear console

Fig. & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy.
4-	BH-10-517							Console assy, rear		RF
-1	BH-10-2045							. Sidewall, port		1
-1A†	PK8-78370-00-000							. . Grommet blank		A/R
								Alternative		
-1B†	G51PA							. . Grommet blank		A/R
-2	BH-10-2046							. Sidewall, stbd.		1
-2 A	SP93-A10							. . Grommet		2
-3	F6000-06							. Nut, anchor, floating, stbd. (Kaylock)		1
-4	BH-10-553							. Channel assy, top		1
-5	BH-10-2857							. . Channel		1
-6	SP93-A8							. Grommet		1
-7	MK-1300-04							. . Nut, anchor (Kaylock)		1
-8	BH-10-578							. Angle, floor, forward, port		1
-9	BH-10-577							. Angle, floor, forward, stbd.		1
-10	BH-10-1253							. Angle, floor, rear		2
-11	BE-10-10349							. Angle, attaching, rear cabin bulkhead, port		1
-12	BE-10-10350							. Angle, attaching, rear cabin bulkhead, stbd.		1
-13	BH-10-2306							. Channel, cable conduit, port		1
-14	BE-10-10347/11							. Channel, cable conduit, stbd.		1
-15	G51-H/A							. Grommet, flexiform (Hellermann)		A/R
-15A	—							. Strip, rubber 1/2 in. wide x 1/32 in. (Hallprene) DTD560		A/R
-16	BE-10-10351							. Bracket assy, pulley trim tab, forward, port		1
-17	BE-10-10351/1							. . Channel		1
-18	MK1000-08							. . Nut, anchor (Kaylock)		1
-19	BE-10-10353							. Bracket assy, rudder pulley, port		1
-20	BE-10-10353/1							. . Bracket pulley		1
-21	MK1000-3							. . Nut, anchor (Kaylock)		1
-22	BE-10-10354							. Bracket assy, rudder pulley, stbd.		1
-23	BE-10-10353/2							. . Bracket, pulley		1
-24	MK1000-3							. . Nut, anchor (Kaylock)		1
-25	BH-10-1489							. Bracket, seat harness attachment, port and stbd.		1
-26	K3000-5							. Nut, anchor (Kaylock)		2
-27	BE-10-10355							. Bracket, pulley, trim tab, rear port		1
-28	BE-10-10357							. Plate, reinforcing, rear, port		1
-29	BH-10-2297							. Angle assy, rear support, port		1
-30	BH-10-2867							. Angle assy, forward support, port		1
-31	BH-10-2868							. . Angle assy, forward support, stbd.		1
-32	BH-10-2861							. Channel, support		1
-33	BH-10-2865							. Angle, support, port, Fatigue meter		1
-34	BH-10-2866							. Angle, support, stbd., Fatigue meter		1
R -35	—							. Strip, rubber, 8" x 1-1/2" x 1/8" thick (Ref. 32C/9429601)		1
								(Mod. 206)		

† Items not illustrated

Chapter 15

FUSELAGE

Section 4

CONTENTS

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Sliding canopy	2
Canopy rail	4A/4B
Canopy release mechanism	6

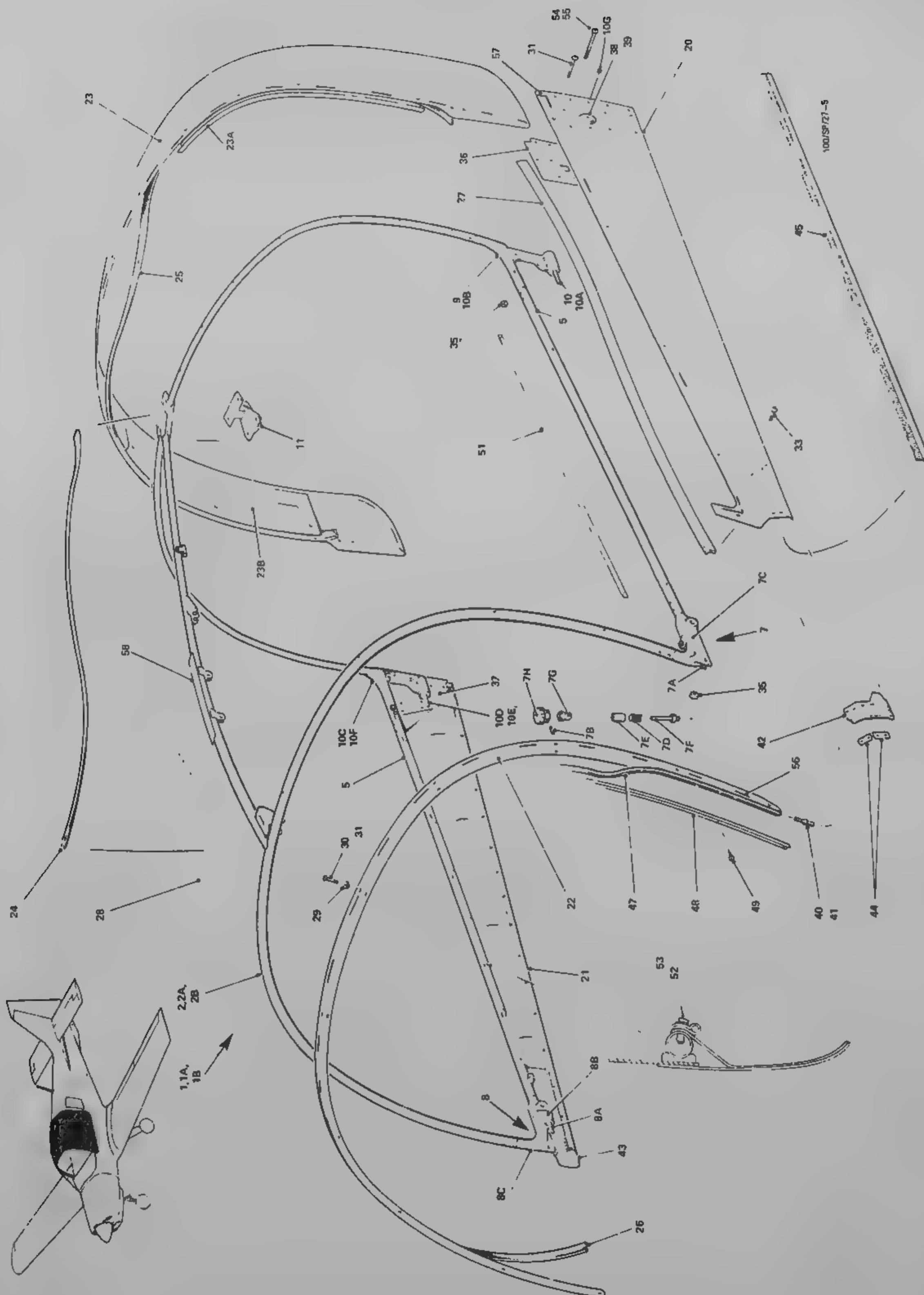


Fig. 1 Sliding Canopy

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
R 1-1	BH-15-841		Canopy, sliding (Mod. 42) (Pre-Mod. 149).....		1
R -1A	BH-15-841	Issue 4	Canopy, sliding (Mod. 149) (Pre-Mod. 188).....		1
R -1B	BH-15-841	Issue 5	Canopy, sliding (Mod. 188).....		1
R -2	BH-15-253		. Frame assy (Pre-Mod. 149).....		1
R -2A	BH-15-883		. Frame assy (Pre-Mod. 149) (Pre-Mod. 188).....		1
R -2B	BH-15-893		. Frame assy (Mod. 188).....		1
-5	BH-15-297		. . Tube, bottom.....		2
R -7	BH-15-625		. . Fitting assy., port, fwd. corner (riveted) (Pre-Mod. 188).....		1
R	BH-15-899		. . Fitting assy., port, fwd. corner (riveted) (Mod. 188).....		1
R -7A	BH-15-665		. . . Dowel (Pre-Mod. 188).....		1
R	BH-15-885		. . . Dowel (Mod. 188).....		1
-7B	-		. . . Pin, roll 1/8 in. dia. x 1 in. lg (Sel-lok) (26NS/6055852).....		1
R -7C	BH-15-329		. . . Fitting, fwd., lower (LH).....		1
-7D	163112		. . . Spring, compression (Flexo Steels).....		1
-7E	BH-15-633		. . . Sleeve.....		1
-7F	BH-15-631		. . . Plunger.....		1
-7G	BH-15-629		. . . Bush, location.....		1
-7H	BH-15-627		. . . Knob.....		1
R -7J†	BH-15-903		Indicator, tactile, on canopy parking stop knob (Mod. 212).....		RF
R -7K†	BH-15-903A		. Indicator, tactile, 25 mm x 5 mm x .062 in. thick (Formica) (Make from 5F/4662149).....		1
R -7L†	-		. Araldite.....		A/R
R -8	BH-15-637		. . Fitting assy., stbd, fwd. corner (riveted) (Pre-Mod. 188).....		1
R	BH-15-897		. . Fitting assy., stbd, fwd. corner (riveted) (Mod. 188).....		1
R -8A	BH-15-667		. . . Dowel (Pre-Mod. 188).....		1
R	BH-15-887		. . . Dowel (Mod. 188).....		1
-8B	-		. . . Pin, roll 1/8 in. dia. x 5/8 in. lg (Sel-lok) (26NS/6055853).....		1
R -8C	BH-15-330		. . . Fitting, fwd., lower (RH).....		1
R -9	BH-15-651		. . Fitting assy., port, rear corner (riveted) (Pre-Mod. 188).....		1
R	BH-15-895		. . Fitting assy., port, rear corner (riveted) (Mod. 188).....		1
R -10	BH-15-653		. . . Dowel (Pre-Mod. 188).....		1
R	BH-15-889		. . . Dowel (Mod. 188).....		1
-10A	-		. . . Pin, roll 1/8 in. dia. x 3/4 in. lg (Sel-lok) (27M/1449216).....		1
R -10B	BH-15-649		. . . Fitting, rear corner (LH).....		1
R -10C	BH-15-652		. . Fitting assy., stbd, rear corner (riveted) (Pre-Mod. 188).....		1
R	BH-15-896		. . Fitting assy., stbd, rear corner (riveted) (Mod. 188).....		1
R -10D	BH-15-653		. . . Dowel (Pre-Mod. 188).....		1
R	BH-15-889		. . . Dowel (Mod. 188).....		1
-10E	-		. . . Pin, roll 1/8 in. dia. x 3/4 in. lg (Sel-lok) (27M/1449216).....		1
R -10F	BH-15-650		. . . Fitting, rear corner (RH).....		1
R -10G	HV4774		. . Helvin button (Hellermann) (Port and Stbd.).....		2
-11	BH-15-199		. . Housing, top roller, riveted.....		1
-20	BH-15-235		. Skirt assy., port.....		1
-21	BH-15-236		. Skirt assy., stbd.....		1
-22	BH-15-335		. Strip, fwd. capping.....		1
-23	BH-15-225		. Shroud, aft fairing.....		1
-23A	BH-15-309		. Skin, inner, port.....		1
-23B	BH-15-310		. Skin, inner, stbd.....		1
-24	BH-15-029		. Strip, top, bedding.....		1
-25	BH-15-031		. Strip, rear, bedding.....		1
-26	BH-15-033		. Strip, front, bedding.....		1
-27	BH-15-035		. Strip, side, bedding.....		2
-28	BH-15-227		. Glazing, canopy, Perspex 'M' 1/8 in. thick, DTD5544.....		1
-29	BE-10-10005/13		. Bush, black neoprene 5/16 in. o/d x 3/16 in. x 5/32 in. lg		32
-30	9507-1012		. Nut, sert (Avdel).....		38
-31	A113-2D		. Bolt, 10-32 UNF.....		28
-33	A113-3D		. Bolt, 10-32 UNF.....		2
-35	H10-3		. Nut (Kaylock).....		9
-36	BH-15-647		. Plate, stiffening, port.....		1
-37	BH-15-242		. Plate, stiffening, stbd.....		1

† Item not illustrated

Fuselage
Sliding Canopy

Fig ■	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy.
Index										
1-38	1-27900							. Lock (Wilmot Breeden).....		1
-39	SP127-S							. Washer.....		1
	BH-15-807							G.A. of canopy sealing.....		RF
-40	THD1041A							. Seal, canopy connector, port (Thermopol Ltd.).....		1
R	BH-15-905							. Seal, canopy connector.....		1
-41	THD1041B							. Seal, canopy connector, stbd. (Thermopol Ltd.).....		1
R	BH-15-905							. Seal, canopy connector.....		1
-42	BH-15-837							. Seal, corner, port.....		1
-43	BH-15-838							. Seal, corner, stbd.....		1
-44	BH-15-817							. Plate, backing.....		4
-45	BH-15-835							. Seal, lower edge.....		2
-47	BH-15-797							. Seal, canopy, forward.....		1
-48	BH-15-811							. Retainer, seal, forward.....		1
-49	4104							. Screw, self tapping 1/4in. x No.6 (GKN).....		10
-51	BH-15-829							. Strip, rubbing.....		2
-52	SS307-4-C							. Clip.....		12
-53	A204-D16							. Bolt, 8-32 UNF.....		12
-54	A113-1C							. Bolt, 8-32 UNC.....		8
-55	H10-08							. Nut (Kaylock).....		8
-56	SAL261/208							. Marker, break point (Dash) (Mod.134).....		16
-57	SAL261/209							. Marker, break point (Corner) (Mod.134).....		4
-58	SAL286							. Marker, decal (Mod.134).....		1

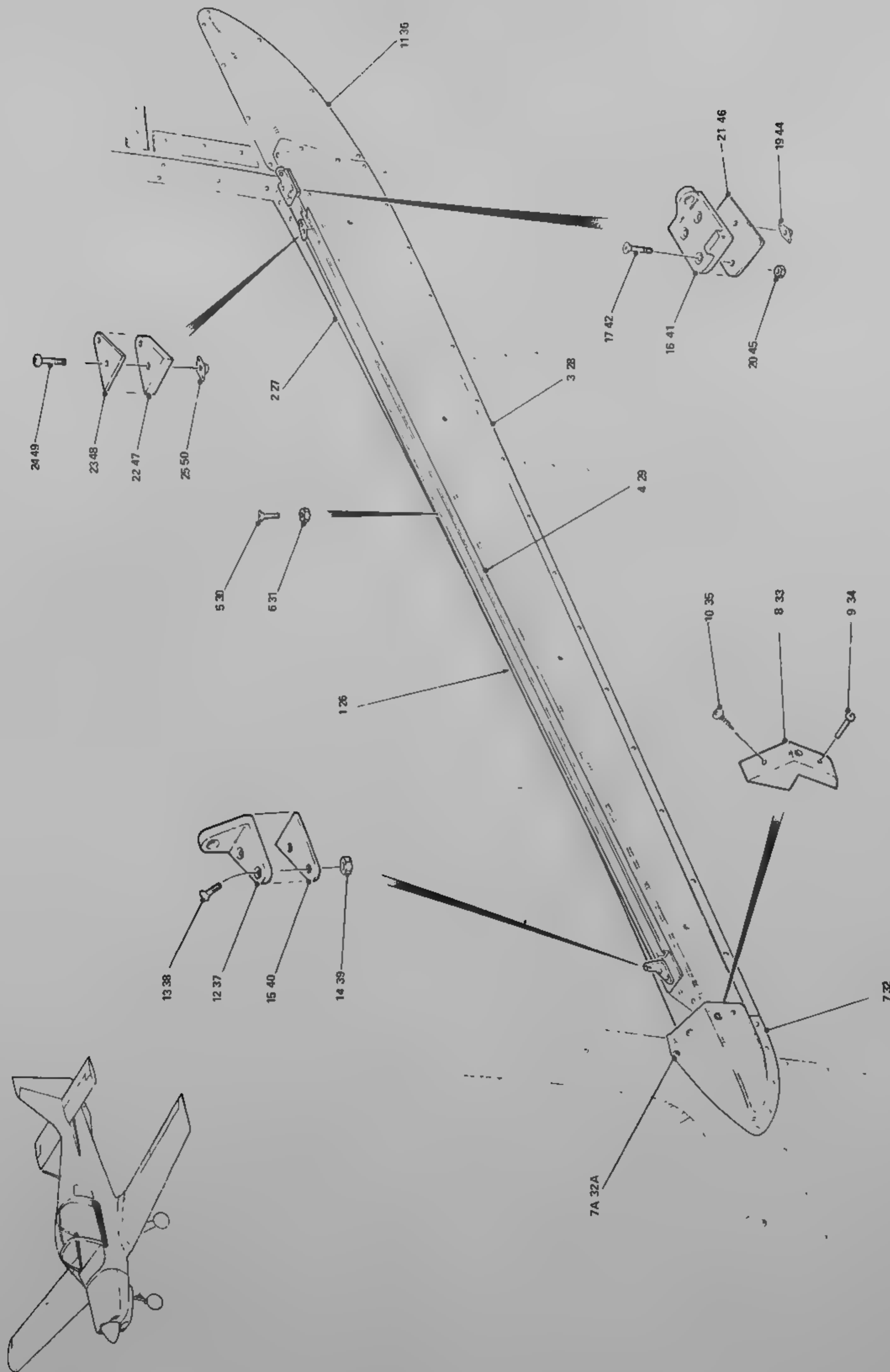


Fig.2 Canopy Rail

Fuselage
Canopy Rail

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
2-1	BH-10-3099	Rail assy., mounting canopy, lower port		1
-2	BH-10-2025	. Member, trim retaining		1
-3	BH-10-1119	. Fairing, rail centre		1
-4	BH-10-161	. Rail, lower		1
-5	A174-1D	. Bolt, 10-32 UNF		5
-6	H10-3	. Nut (Kaylock)		5
-7	BH-10-2979	. Fairing, forward rail		1
-7 A	A113-2D	. Bolt, 10-32 UNF		1
-8	BH-10-2047	. Block, packing		1
-9	2065-415	. Rivet, self sealing		1
R -10	GKN4291-6 x 1/2	. Screw, self tapping (GKN)		1
-11	BH-10-2981	. Fairing, rail aft		1
-12	BH-10-1999	. Angle, retaining, forward		1
-13	A174-4D	. Bolt, 10-32 UNF		2
-14	H10-3	. Nut (Kaylock)		2
-15	BH-10-2019	. Packing		1
-16	BH-10-2285	. Angle, retaining aft		1
-17	A174-4D	. Bolt, 10-32 UNF		3
-19	MK1000-3	. Nut, anchor (Kaylock)		1
-20	H10-3	. Nut (Kaylock)		2
-21	BH-10-221	. Packing		1
-22	BH-10-2001	. Stop, canopy		1
-23	BH-10-2003	. Plate		1
-24	A116-5D	. Screw, 10-32 UNF		2
-25	MK1000-3	. Nut, anchor (Kaylock)		2
-26	BH-10-154	Rail assy., mounting canopy, lower stbd.		1
-27	BH-10-2026	. Member, trim retaining		1
-28	BH-10-1120	. Fairing, rail centre		1
-29	BH-10-1935	. Rail, lower		1
-30	A174-1D	. Bolt, 10-32 UNF		5
-31	H10-3	. Nut (Kaylock)		5
-32	BH-10-2980	. Fairing, rail forward		1
-32A	A113-2D	. Bolt, 10-32 UNF		1
-33	BH-10-2048	. Block, packing		1
-34	2065-415	. Rivet, self sealing		1
R -35	GKN4291-6 x 1/2	. Screw, self tapping (GKN)		1
-36	BH-10-2982	. Fairing, rail aft		1
-37	BH-10-2000	. Angle, retaining forward		1
-38	A174-4D	. Bolt, 10-32 UNF		2
-39	H10-3	. Nut (Kaylock)		2
-40	BH-10-2019	. Packing		1
-41	BH-10-1998	. Angle, retaining, aft		1
-42	A174-4D	. Bolt, csk. hd., 10-32 UNF		3
-44	MK1000-3	. Nut, anchor (Kaylock)		1
-45	H10-3	. Nut (Kaylock)		2
-46	BH-10-2021	. Packing		1
-47	BH-10-2001	. Stop, canopy		1
-48	BH-10-2003	. Plate		1
-49	A116-5D	. Screw, 10-32 UNF		2
-50	MK1000-3	. Nut, anchor (Kaylock)		2

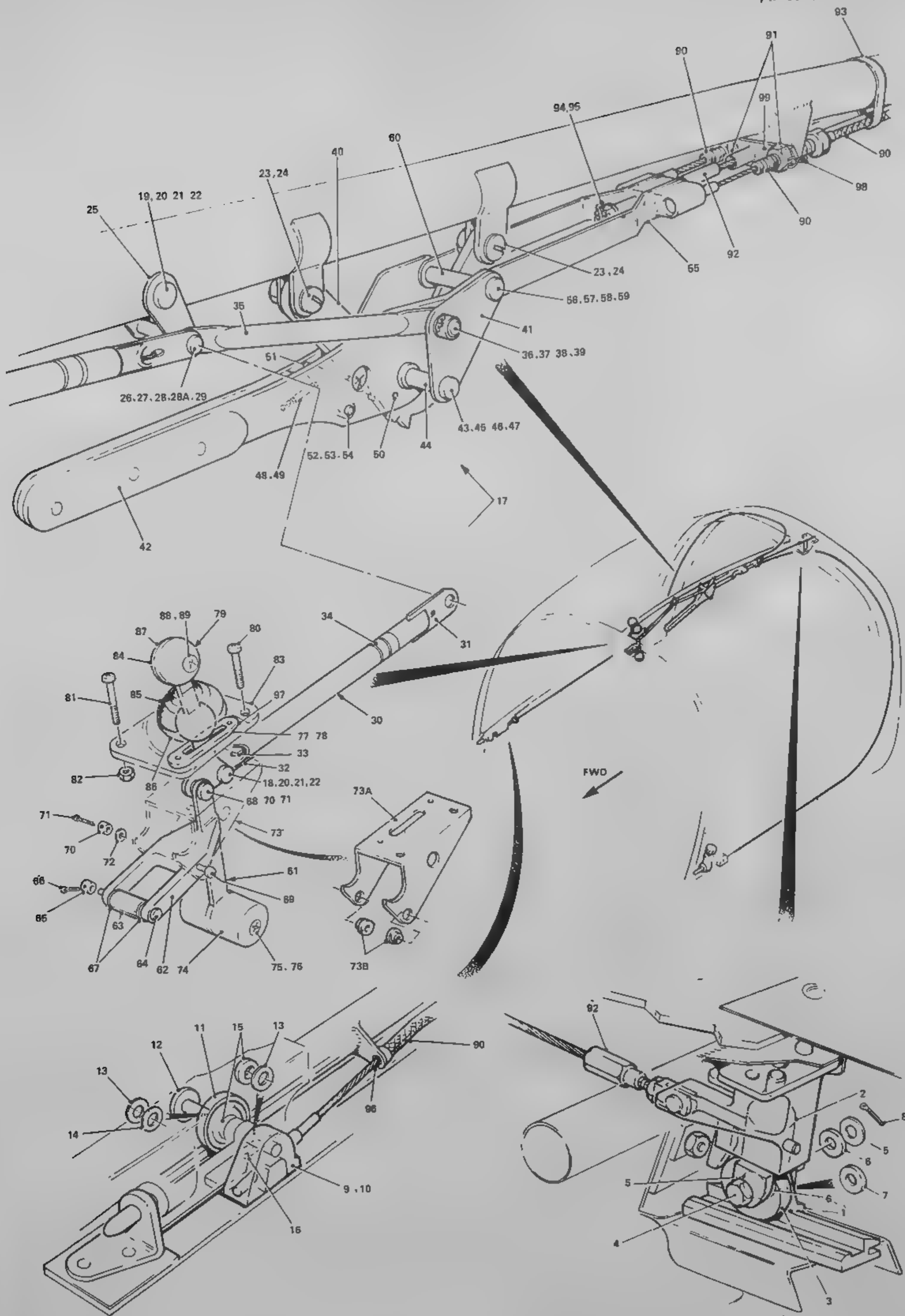


Fig.3 Canopy Release Mechanism

100/SP/24 5

Fuselage
Canopy Release Mechanism

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
3-	BH-15-867		G.A. of sliding canopy (Mod. 42) (Pre-Mod. 149)		RF
	BH-15-881		G.A. of sliding canopy (Mod. 149).....		RF
-1	BH-15-131		. Shoe, rear retaining		1
-2	BH-15-153		. Mounting, rear roller.....		1
-3	BH-15-683		. Roller, rear.....		1
-4	SP113-J-11		. Pin, hex, head		1
-5	SP127-J		. Washer		2
-6	SP124-J		. Washer		2
-7	SP125-J		. Washer		1
-8	SP90-C7		. Pin, split.....		1
-9	BH-15-717		. Trunnion assy., port.....		1
-10	BH-15-718		. Trunnion assy., stbd.....		1
-11	BH-15-683		. Roller, slide.....		2
-12	BH-15-771		. Pin, special		2
-13	SP127-J		. Washer		4
-14	SP124-J		. Washer		2
-15	SP125-J		. Washer		2
R -16	1.125 x 0.125D		. . Pin, roll, 1/8 in. dia. x 1.1/8 in. long (Selok)		1
-17	BH-15-745		. Jettison assy., lever and linkage		1
-18	SP4Y-B4		. . Pin, steel.....		1
-19	SP4Y-B17		. . Pin, steel.....		1
-20	SP127-D		. . Washer		1
-21	SP121-C		. . Collar		2
-22	SP90-C4		. . Pin, split		2
-23	A116-1D		. . Bolt, pan head, 10-32 UNF		2
-24	H10-3		. . Nut, Kaylock		2
-25	BH-15-697		. . Link assy.....		1
-26	SP4Y-B20		. . Pin, steel.....		1
-27	SP121-C		. . Collar		1
-28	SP127-D		. . Washer		2
-28A	SP124-C		. . Washer		1
-29	SP90-C5		. . Pin, split.....		1
-30	BH-15-729		. . Strut assy., spring loaded		1
-31	BH-15-733		. . . Tube assy.....		1
-32	BH-15-731		. . . Tube assy		1
-33	BH-15-743		. . . Spring		1
-34	BH-15-741		. . . Tube, distance		1
-35	BH-15-787		. . Rod, push.....		1
-36	SP4Y-B4		. . . Pin, steel.....		1
-37	SP124-C		. . . Washer.....		2
-38	SP121-C		. . . Collar		1
-39	SP90-C5		. . . Pin, split.....		1
-40	BH-15-709		. . Ratchet.....		1
-41	BH-15-785		. . Plate		1
-42	BH-15-727		. . Handle, release		1
-43	SP4Y-D17		. . Pin, steel		1
-44	AS2809-5-043		. . Tube, distance		1
-45	SP121-E		. . Collar		1
-46	SP124-E		. . Washer		1
-47	SP90-C5		. . Pin, split.....		1
-48	BH-15-725		. . Plunger.....		1
-49	BH-15-783		. . Spring		1
-50	SP77-309		. . Pin, shear, 3/32 in. dia x 9/16 in. long, L36.....		1
-51	BH-15-711		. . Pawl		1
-52	SP4Y-B6		. . Pin, steel.....		1
-53	SP121-C		. . Collar		1
-54	SP90-C5		. . Pin, split.....		1
-55	BH-15-695		. . Lever assy., cranked		1
-56	SP4Y-B21		. . Pin, steel.....		1
-57	SP121-C		. . Collar		1
-58	SP90-C5		. . Pin, split.....		1

Fuselage
Canopy Release Mechanism

Fig & Index	Part No.	Nomenclature	Usage Code	Units per assy.
		1 2 3 4 5 6		
3 -59	SP127-D	.. Washer		3
-60	AS2809-4-094	.. Tube, distance		1
-61	BH-15-775	.. Handle assy., internal		1
-62	BH-15-761	.. Latch assy.		1
-63	BH-15-767	.. Roller assy.		1
-64	SP4Y-B18	.. Pin, steel		1
-65	SP121-B	.. Collar		1
-66	SP90-C5	.. Pin, split		2
-67	SP10-C	.. Washer		1
-68	SP4Y-B6	.. Pin, steel		1
-69	SP4Y-B21	.. Pin, steel		2
-70	SP121-C	.. Collar		2
-71	SP90-C4	.. Pin, split		1
-72	SP123-D	.. Washer		1
-73	BH-15-879	.. Bracket assy., latch (Mod. 149)		1
-73A	BH-15-877	.. Bracket latch (Mod. 149)		2
-73B	BH-15-875	.. Bush, latch bracket (Mod. 149)		1
-74	BH-47-077	.. Knob		1
-75	A116-4D	.. Bolt, 10-32 UNF		1
-76	H10-3	.. Nut (Kaylock)		1
-77	BH-15-759	.. Block, guide		1
-78	BH-15-795	.. Gasket		1
-79	BH-15-773	.. Handle assy., external		2
-80	A116-2D	.. Bolt, 10-32 UNF		2
-81	A116-10D	.. Bolt, 10-32 UNF		4
-82	H10-3	.. Nut (Kaylock)		1
-83	BH-15-747	.. Housing		1
-84	BH-15-753	.. Lever		1
-85	BH-15-751	.. Boot, rubber		2
-86	1000-62	.. Circlip		1
-87	AS1909-A	.. Knob		1
-88	A34-C36	.. Bolt, 2BA		1
-89	A27-CT	.. Nut		2
-90	BH-15-781	.. Cable assy., lower rail		4
-91	NAS509-4	.. Nut, drilled		1
-92	BH-15-779	.. Cable assy., top rail		2
-93	SST2-S	.. Ties, cable		2
		Alternatives		
	TY25M	.. Ties, cable		2
		.. Ties, cable (Insulok)		1
-94	A103-DS	.. Nut, slotted		1
-95	SP90-E5	.. Pin, split		A/R
-96	RNF 100	.. Sleeve, thermofit, 1/2 in. long		A/R
-97	PR1221	.. Compound, sealing, non crazing (Ref. No. 33H/2201295)		A/R
-98	-	.. Wire, locking, DTD 189 x 22SWG (Ref. No. 30A/9473135)		1
-99	BH-15-861	.. Bracket assy., cable locating (Mod. 42)		

Chapter 15

FUSELAGE

Section 5

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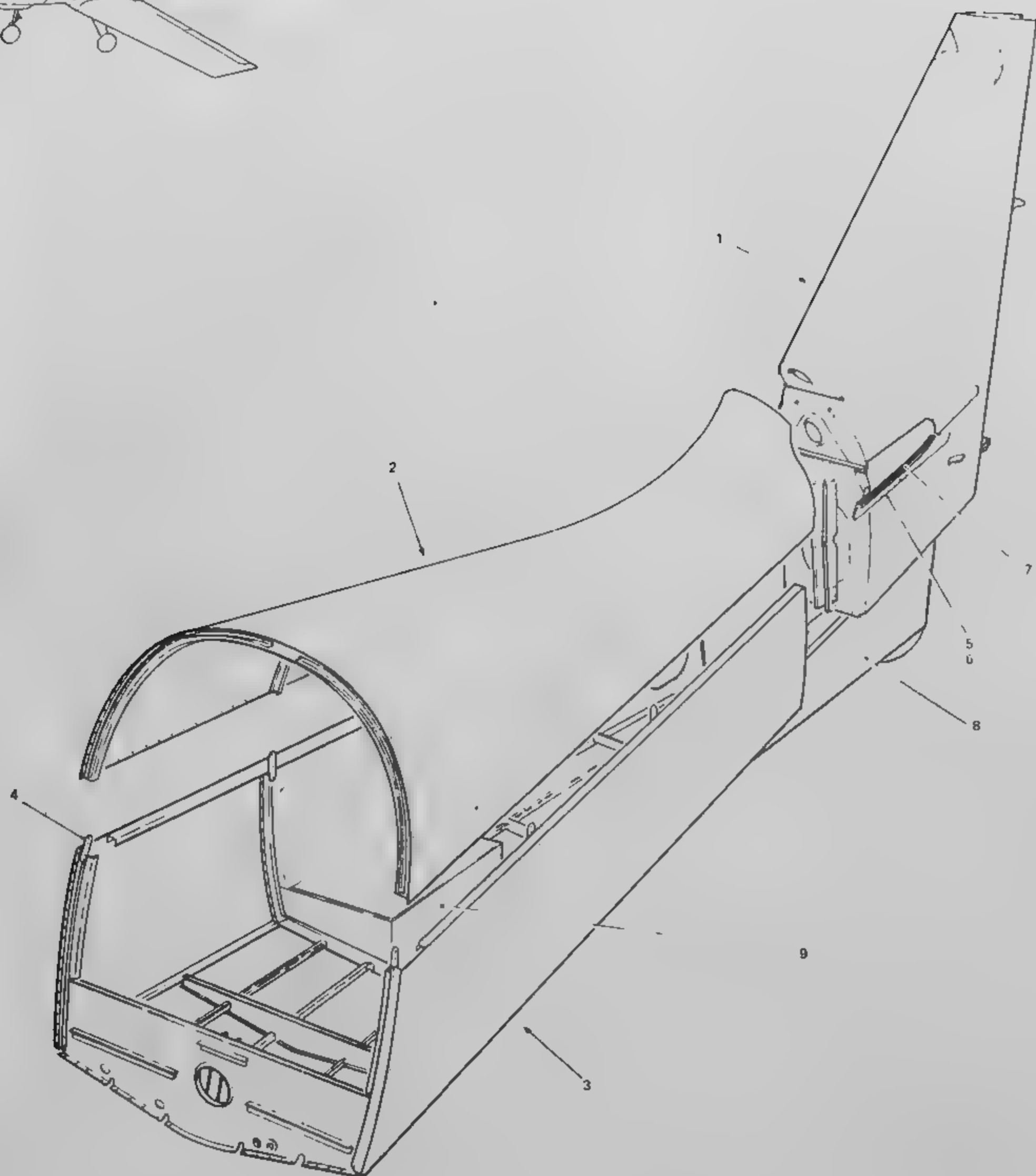
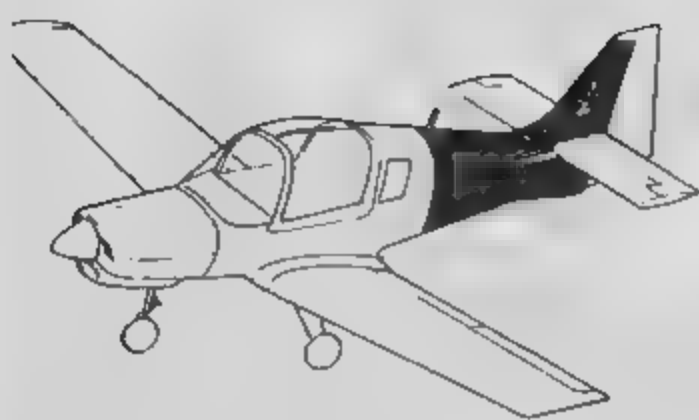
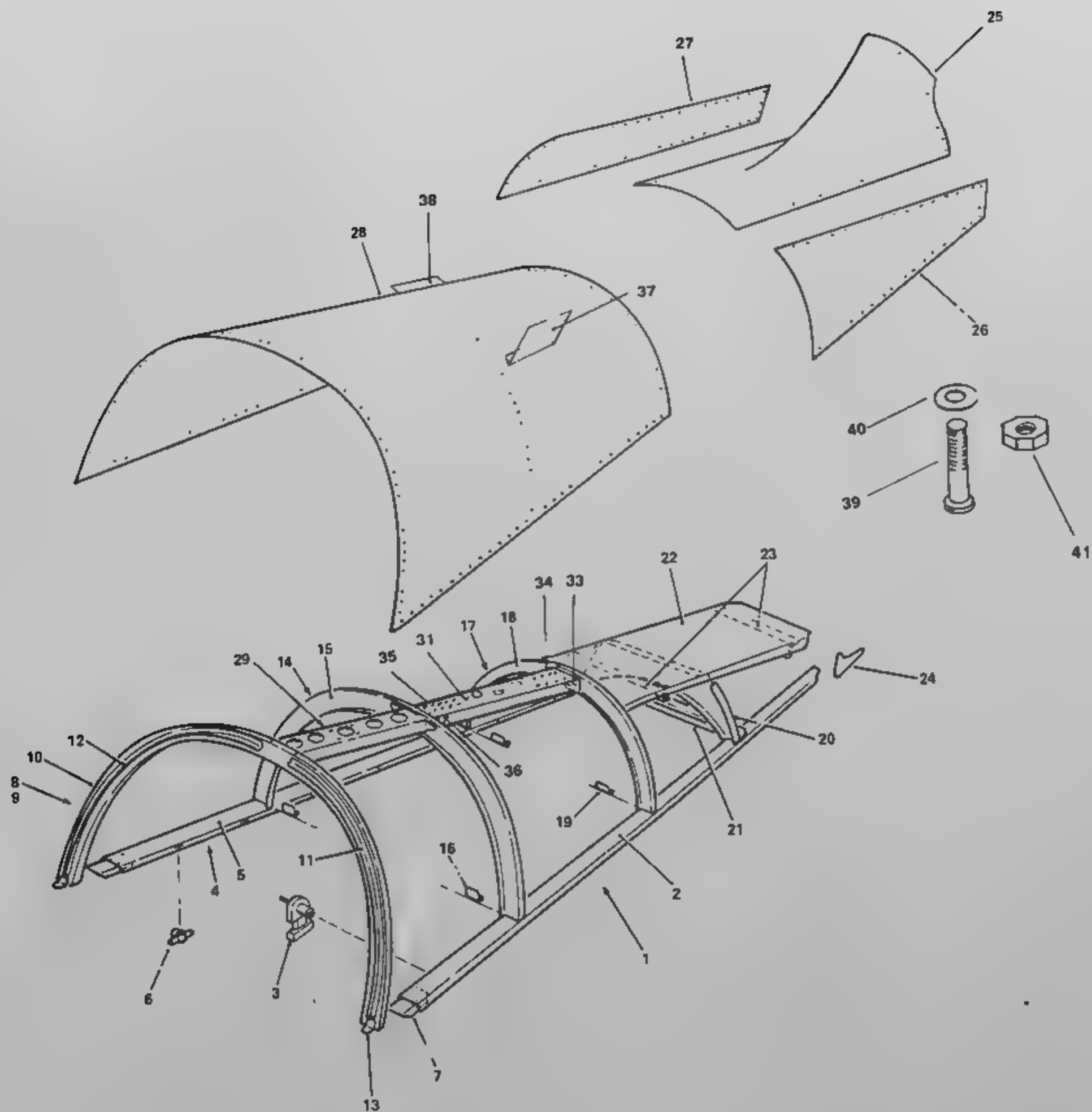
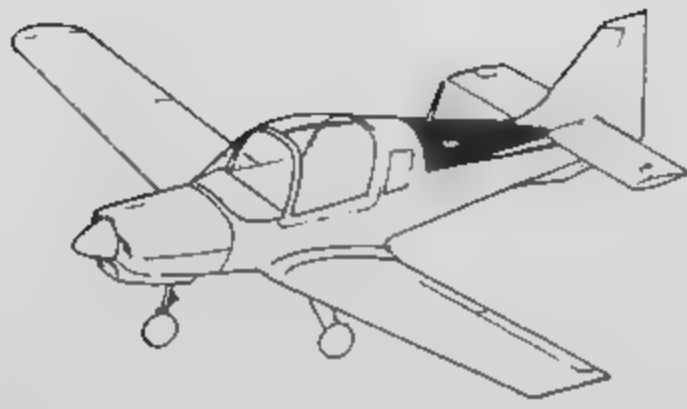


Fig. 1 Rear fuselage assembly

100/SP.113

Fuselage
Rear Fuselage Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-10-003		Rear fuselage and fin assy.....		RF
-1	BH-10-003/3		. Fin assy. Fig.4.....		RF
-2	BH-10-003/2		. Rear fuselage assy. lower Fig.2.....		RF
-3	BH-10-003		. Rear fuselage assy. lower Fig.3.....		RF
-4	BE-10-10097		. Gusset attachment.....		6
-5	BH-10-031		. Angle stiffening, port.....		1
-6	BH-10-032		. Angle stiffening, stbd.....		1
-7	BH-10-1063		. Seal, rubber.....		2
-8	BH-10-003/5		. Tail bumper, Fig.5.....		RF
-9	BH-10-2531		. Battery stowage, Fig.6.....		RF

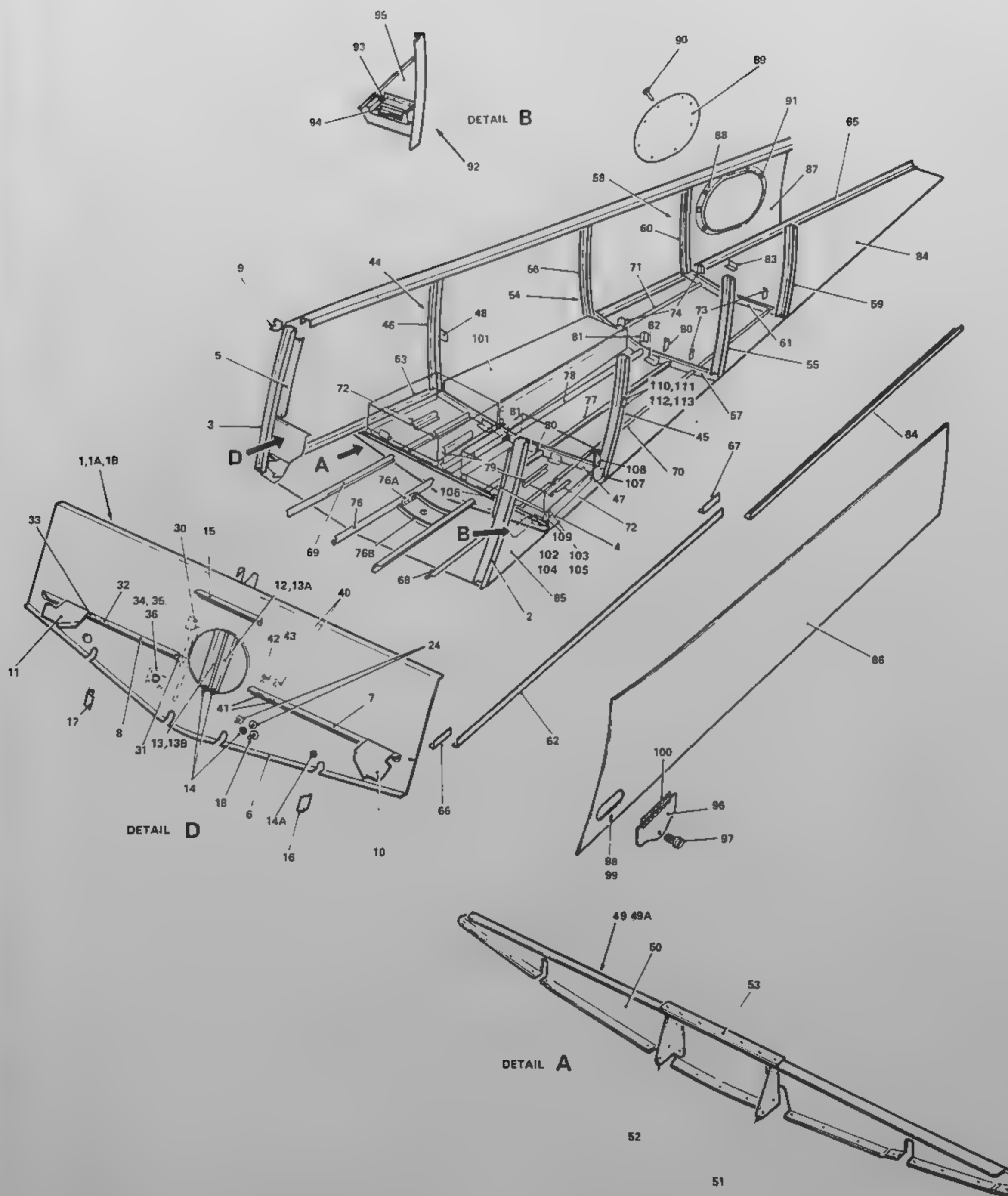


100-SP 21 2

Fig. 2 Rear fuselage upper

Fuselage
Rear Fuselage, Upper

Fig ■	Part No.	Nomenclature	Usage Code	Units per Army.
Index		1 2 3 4 5 6		
2-	BH-10-003	Fuselage assy., upper rear.....		RF
-1	BH-10-057	. Longer on assy., port.....		1
-2	BH-10-057/1	. . Longer on.....		1
-3	TC-118	. . Mounting, Ty-Rap (Ross Courtney)		8
-4	BH-10-058	. Longer on assy., stbd.....		1
-5	BH-10-057/2	. . Longer on.....		1
-5A	TC-118	. . Mounting, Ty-Rap (Ross Courtney).....		3
-6	MK1000-06	. . Nut, anchor (Kaylock).....		5
-7	BH-10-1109	. . Channel, longer on joint.....		2
-8	BH-10-1221	. Bulkhead assy., rear cabin (Fig.3)(Pre-Mod.158).....		RF
	BH-10-3729	. Bulkhead assy., rear cabin (Fig.3)(Mod.158).....		RF
-9	BH-10-1363	. . Bulkhead sub assy., upper.....		1
-10	BH-10-1359	. . . Frame, upper.....		1
-11	BH-10-1695	. . . Angle, trim, port.....		1
-12	BH-10-1696	. . . Angle, trim, stbd.....		1
-13	BH-10-1279	. Cleat, attachment.....		2
-14	BH-10-015	. Frame assy., fuselage stn. 156.0.....		1
-15	BE-10-10123/7	. . Frame, top.....		1
-16	BE-10-10109/1	. . Cleat, attachment.....		2
-17	BH-10-013	. Frame assy., fuselage stn. 178.0.....		1
-18	BH-10-1085	. . Frame, top.....		1
-19	BE-10-10109/1	. . Cleat, attachment.....		2
-20	BH-10-017	. Diaphragm, upper.....		1
-21	BH-10-249	. Channel, crossbeam.....		1
-22	BH-10-043	. Diaphragm, sloping.....		1
-23	BE-10-10011/39	. Zed, member, stiffening.....		2
-24	BE-10-10095	. Gusset, attachment, stn. 207-85.....		2
-25	BE-10-10011/31	. Skin, saddle.....		1
-26	BH-10-1061	. Skin, side, port.....		1
-27	BH-10-1059	. Skin, side, stbd.....		1
R -28	BE-10-10011/3	. Skin, upper, (Pre-Mod 214).....		1
R	BH-10-3969	. Skin, upper, (Mod 214).....		1
-29	BH-10-2499	. Mounting assy., aerial support structure.....		1
R -30	BH-10-3967	Assy of support structure deflector angles.....		RF
		- Upper strobe light (Mod.214)		
-31	BH-10-3917	. Channel support (Mod 214).....		1
R -32	BH-10-3918	. Channel support (Mod 214).....		1
R -33	BH-10-3919	. Angle attachment (Mod 214).....		2
R -34	BH-10-3920	. Angle attachment (Mod 214).....		2
R -35	BH-10-3921	. Angle attachment (Mod 214).....		2
R -36	BH-10-3922	. Angle attachment (Mod 214).....		2
R -37	BH-10-3927	. Angle deflector port (Mod 214).....		1
R -38	BH-10-3928	. Angle deflector stbd (Mod 214).....		1
		Attaching parts		
R -39	A113-1/2D	Bolt 10-32 UNF.....		3
R -40	SP126D	Washer.....		3
R -41	AS8600D	Nut stiff.....		3



100/SP/224-2

Fig. 3 Rear fuselage, lower

Fuselage
Fuselage Rear Lower

Fig ■	Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Army.
	3-	BH-10-003							Fuselage assy., rear lower.....		R■
	-1	BH-10-1221							. Bulkhead assy., rear cabin (Mod.91)(Pre-Mod.158).....		1
	-1A	BH-10-3729							. Bulkhead assy., rear cabin (Mod.158)(Pre-Mod 210).....		1
	-1B	BH-10-3857							. Bulkhead assy., rear cabin (Mod.210).....		RF
	-2	BH-10-1195							. . Frame side, port.....		1
	-3	BH-10-1196							. . Frame side, stbd.....		1
	-4	BH-10-1377							. . Angle, trim support, port.....		1
	-5	BH-10-1378							. . Angle, trim support, stbd.....		1
	-6	BH-10-2841							. . Frame, floor.....		1
	-7	BH-10-1205							. . Angle, floor landing, port.....		1
	-8	BH-10-1206							. . Angle, floor landing, stbd.....		1
	-9	BH-10-1279							. . Cleat, attachment.....		2
	-10	BH-10-1289							. . Gusset, port.....		1
	-11	BH-10-1290							. . Gusset, stbd.....		1
	-12	BE-10-10159							. . Bracket, elevator pulley, port (Pre-Mod 210).....		1
	-13	BE-10-10160							. . Bracket, elevator pulley, stbd (Pre-Mod.210).....		1
	-13A	BH-10-3855							. . Bracket, elevator pulley, port (Mod.210).....		1
	-13B	BH-10-3856							. . Bracket, elevator pulley, stbd. (MOD.210).....		1
	-14	SP93-A12							. . Grommet, port side.....		3
	-14A	SP93-A28							. . Grommet.....		1
	-15	BH-10-1369							. . Angle, console attachment.....		1
	-16	BE-10-10761							. . Cleat, attachment, zed member, port.....		1
	-17	BE-10-10762							. . Cleat, attachment, zed member, stbd.....		1
	-18	SS135/2							. Bolt assy., earth point (Chap. 55-1, Fig. 6).....		RF
	-24	A217-B24							. Bolt, earth point, 6-32 UNC (Chap. 55-1, Fig. 6).....		RF
	-30	BH-10-2195							. Pad, mounting, strobe light.....		1
	-31	BH-10-2197							. Pad, mounting, strobe light.....		1
	-32	BH-10-2199							. Pad, mounting, strobe light.....		1
	-33	BH-10-2201							. Pad, mounting, strobe light.....		1
	-34	BH-81-591							. Fairlead.....		2
	-35	A102-2A							. Bolt, 4-40 UNF.....		4
	-36	A126A							. Nut, stiff, 4-40 UNF.....		4
	-40	D5900							. Relay, flaps (Chap. 55-1, Fig. 2).....		RF
	-41	MK1300-06							. Nut, anchor (Kaylock).....		4
	-42	MK1968-06							. Nut, anchor (Kaylock).....		2
	-43	A217-B36							. Screw, 6-32 UNF.....		6
	-44	BH-10-015							. Frame assy., stn. 156.....		1
	-45	BE-10-10123/1							. . Frame side, port.....		1
	-46	BH-10-1090							. . Frame side, stbd.....		1
	-47	BH-10-709							. . Frame, bottom.....		1
	-47A#	BH-10-3841							. . Rib support (Mod 214).....		1
	-48	TC106							. . Clamp, cable (Ross Courtney).....		1
	-49	BE-10-10125							. Frame assy., bottom, stn. 143 (Pre-Mod 158).....		1
	-49A	BH-10-3727							. Frame assy., bottom, stn. 143 (Mod.158).....		1
	-50	BE-10-10125/1							. . Frame.....		1
	-51	BE-10-10125/3							. . Bracket, port.....		1
	-52	BE-10-10125/4							. . Bracket, stbd.....		1
	-53	BE-10-11279							. . Strip, rubbing (Pre-Mod 158).....		1
R		BH-10-3717							. . Strip, rubbing (Mod.158)(Pre-Mod 214).....		1
R		BH-10-3951							. . Strip, rubbing (Mod.214).....		1
	-54	BH-10-013							. Frame assy., stn. 178.....		1
	-55	BE-10-10013/1							. . Frame side, port.....		1
	-56	BE-10-10013/2							. . Frame side, stbd.....		1
	-57	BH-10-1087							. . Frame, bottom.....		1
	-58	BE-10-10015							. Frame assy., stn 193.....		1
	-59	BE-10-10015/1							. . Frame, side, port.....		1
	-60	BE-10-10015/2							. . Frame, side, stbd.....		1

Item not illustrated

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
3-61	BE-10-10015/3	. . Frame, bottom.....		1
-62	BH-10-669	. Angle, chine, forward, stn. 135-stn. 183, port.....		1
-63	BH-10-670	. Angle, chine, forward, stn. 183, stbd.....		1
-64	BH-10-671	. Angle, chine, rear, stn. 183-rear spar, port.....		1
-65	BH-10-672	. Angle, chine, rear, stn. 183-rear spar, stbd.....		1
-66	BH-10-1157	. Angle, chine joint, forward.....		2
-67	BH-10-1159	. Angle, chine joint, rear.....		2
-68	BE-10-10011/29	. Stringer, forward, port.....		1
-69	BE-10-10011/30	. Stringer, forward, stbd.....		1
-70	BH-10-1065	. Stringer, aft, port.....		1
-71	BH-10-1067	. Stringer, aft, stbd.....		1
-72	BE-10-10175	. Stringer, joint.....		2
R -73	BH-10-253	. Cleat, stringer attachment, stn. 193-stn. 178 port..... (Pre Mod 214/Mod 214)		2/1
-74	BH-10-254	. Cleat, stringer attachment, stn. 193-stn. 178 stbd.....		2
-75	BH-10-661	. Channel, forward, port.....		1
-76	BH-10-662	. Channel, forward, stbd.....		1
-76A	BH-10-3615	. Cleat, stn. 140 (Mod.119)(Chap.60-1, Fig.2).....		RF
-76B	BH-82-879	. Channel assy., lower aerial mounting, stn. 140 (Mod.40). (Chap.60-1, Fig.2)		RF
-77	BH-10-1541	. Channel, aft, port.....		1
-78	BH-10-1542	. Channel, aft, stbd.....		2
-79	BH-10-1539	. Channel.....		3
-80	BH-10-263	. Cleat, attachment, stn. 1443, 156, 178, port.....		3
-81	BH-10-264	. Cleat, attachment, stn. 143, 156, 178, stbd.....		3
-82	BH-10-1551	. Cleat, tail bumper attachment, stn. 178.....		1
-83	BH-10-1553	. Cleat, tail bumper attachment, stn. 193.....		1
-84	BE-10-10011/13	. Skin, panel, bottom, rear, L72 x 26 SWG.....		1
-85	BE-10-10011/9	. Skin, panel, bottom, forward, L72 x 26 SWG.....		1
-86	BE-10-10011/15	. Skin, side, port, L72 x 24 SWG.....		1
-87	BE-10-10011/16	. Skin, side, stbd. L72 x 24 SWG.....		1
-88	BH-10-1029	. Ring, reinforcing, stbd. side.....		1
-89	BE-10-10267P	. Panel, access, stbd. side.....		1
-90	A113-1C	. Bolt, 8-32 UNC.....		10
-91	SL211-08-1	. Nut, clip (Shurlock).....		10
-92	BH-10-1293	. Socket assy., ground supply.....		1
-93	BH-10-1275	. . Bracket, socket.....		1
-94	MK1000-3	. . Nut, anchor (Kaylock).....		2
-95	BH-10-1277	. . Skin, doubler.....		1
-96	BH-10-1333	. Cover assy.....		1
-97	2600-2	. . Stud (Mod.10)(Camloc).....		1
-98	2600-LW	. . Washer, retaining (Camloc).....		1
-99	212-12D	. . Receptacle (Camloc).....		1
-100	AS1877-45	. . Hinge.....		1
-101	BH-10-2531	. Battery stowage, Fig. 6.....		RF
R	BH-10-3953	Installation of base plate Power units Stn.143-156 port..... (Mod. 214)		
R -102	BH-10-3845	. Base plate assy.(Mod.214).....		1
R -103	BH-10-3845A	. . Plate base (Mod 214).....		1
R -104	BH-10-3845B	. . Stiffener (Mod 214).....		1
R -105	BH-10-3845C	. . Stiffener (Mod 214).....		1
R -106	AS8609D	. . Nut anchor (Mod 214).....		12
R -107	BH-10-3847	. Angle support (Mod 214).....		1
R -108	BH-10-3869	. Cleat (Mod 214).....		1
R -109	BH-10-3871	. Angle bracket (Mod 214).....		1
R -110	H/WB/UN/1110/5/2/B	. Block terminal 2 way (Dowty) (Mod 214)..... Attaching Parts		1
R -111	A102-2B	Bolt 6-32 UNC.....		2
R -112	SP122B	Washer.....		2
R -113	A126-B66	Nut, stiff.....		2

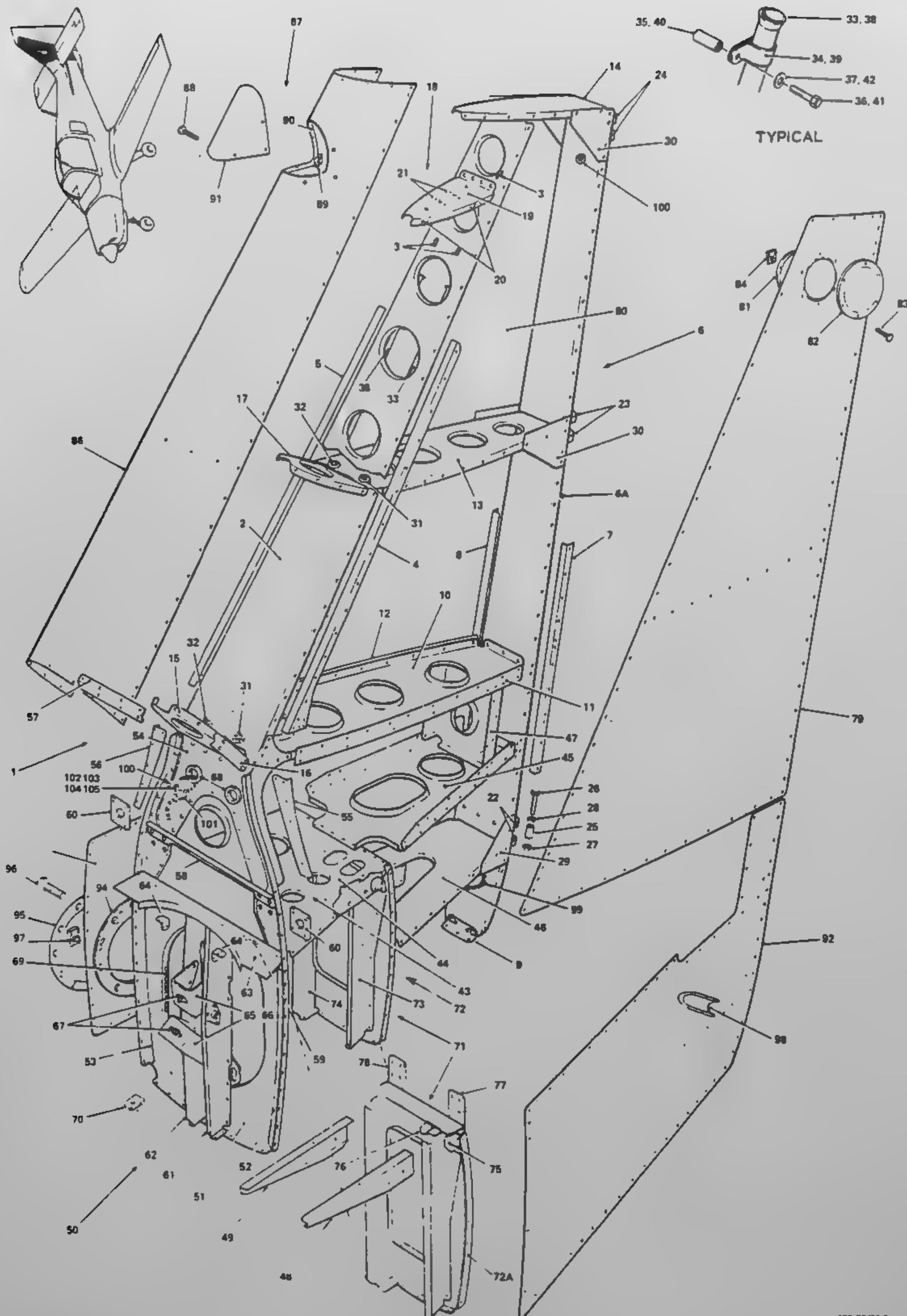


Fig 4 Fin and Lower Fuselage

100-SP/28 3

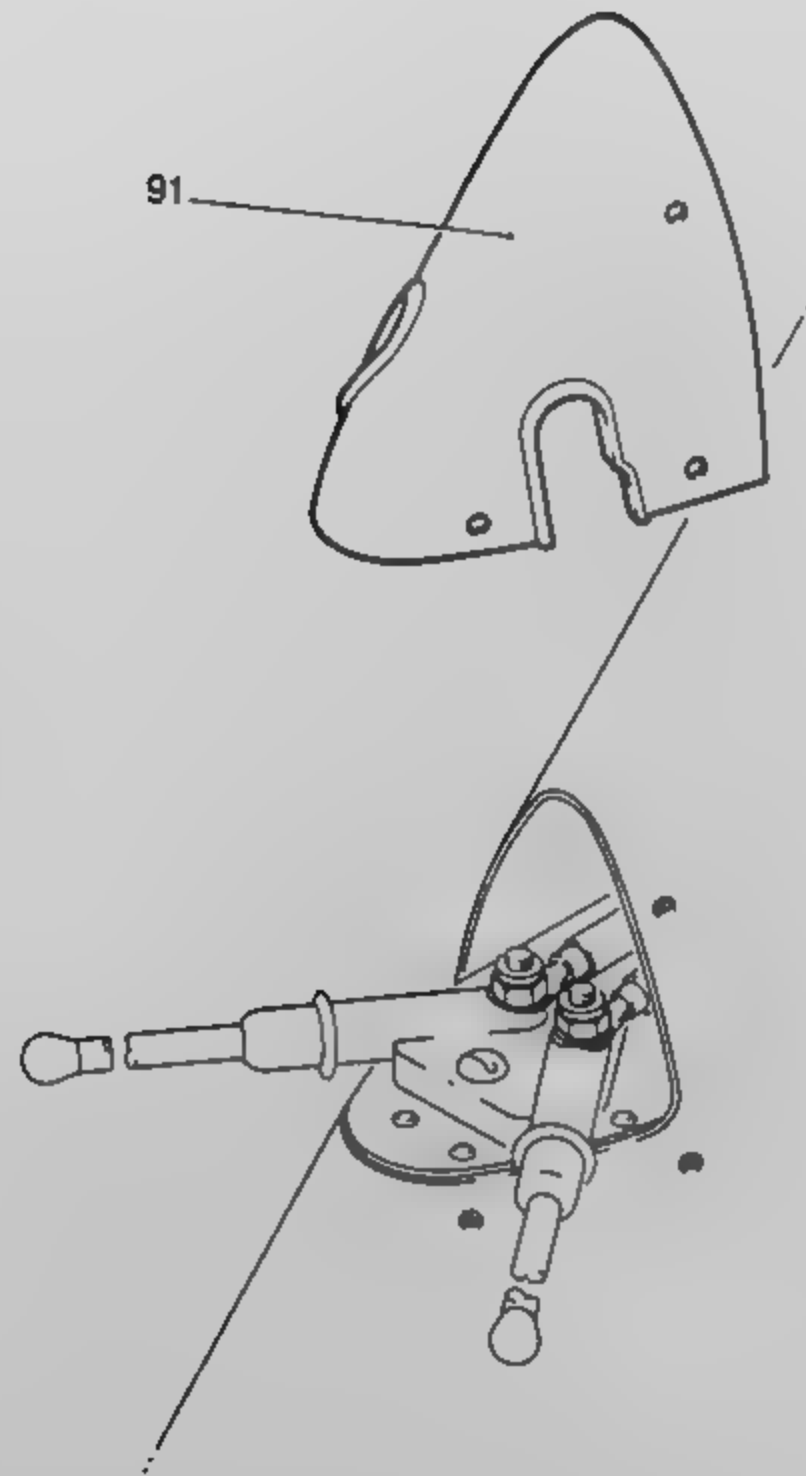


Fig.4 Fin and Lower Fuselage

Fuselage
Fin and Lower Fuselage

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
4-	BH-10-003	Fin Assy		RF
-1	BH-10-3013	. Spar assy, front		1
-2	BH-10-3015	. . Spar		1
-3	MF1000-06	. . Nut, anchor (Kaylock)		4
-4	BH-10-205/1	. . Angle, nesting, port		1
-5	BH-10-205/2	. . Angle, nesting, stbd		1
-6	BH-10-571	. Spar assy, rear		1
-6A	BH-10-573	. . Spar		1
-7	BH-10-509	. . Angle, reinforcing, port		1
-8	BH-10-510	. . Angle, reinforcing, stbd		1
-9	BH-10-2711	. Angle, attachment, tail bumper		1
-10	BH-10-039	. Rib, interspar, lower		1
-11	BE-10-10093	. Doubler, landing, port		1
-12	BE-10-10094	. Doubler, landing, stbd		1
-13	BH-10-037	. Rib, interspar, centre		1
-14	BE-10-10129	. Rib, top		1
-15	BE-10-10041	. Rib, nose, lower		1
-16	BE-10-10043	. Strap, joint		1
-17	BE-10-10035	. Rib, nose, centre		1
-18	BE-10-10027	. Rib assy, nose top		1
-19	BE-10-10029	. . Rib		1
-20	MK1000-08	. . Nut, anchor (Kaylock)		4
-21	MF1000-08	. . Nut, anchor (Kaylock)		2
-22	BE-10-11747	. Bracket, rudder hinge, lower		2
-23	BE-10-10141	. Bracket, rudder hinge, centre		2
-24	BE-10-10143	. Bracket, rudder hinge, top		2
-25	BH-10-2571	. Stop, rudder eccentric		2
-26	A102-6E	. Bolt, 1/4 in. UNF		2
-27	H10-4	. Nut (Kaylock)		2
-28	SP125-E	. Washer		2
-29	BH-10-507	. Doubler, lower hinge		2
-30	BE-10-10057	. Doubler, centre and top		4
-31	SP93-A12	. Grommet, lower and centre rib, port		2
-32	SP93-A20	. Grommet, lower and centre rib, stb		2
-33	BE-10-10253	. Conduit		1
-34	4661-6	. Clip "P" type (Hellermann)		1
-35	AS2811-4-030	. Tube, distance		1
-36	A102-4B	. Bolt, 4BA		1
-37	SP122-B	. Washer		1
-38	BE-10-10255	. Conduit		1
-39	4661-10	. Clip "P" type (Hellermann)		1
-40	AS2811-4-030	. Tube, distance		1
-41	A102-4B	. Bolt, 4BA		1
-42	SP122-B	. Washer		1
-43	BH-10-047	. Diaphragm decking, upper		1
-44	BH-10-047/1	. . Diaphragm, forward		1
-45	BH-10-047/3	. . Diaphragm, aft		1
-46	BH-10-045	. Diaphragm decking, lower		1
-47	BE-10-10049	. Diaphragm, vertical		1
-48	BE-10-10063	. Mounting, pulley, elevator trim		1
-49	BE-10-10064	. Mounting, pulley, elevator trim		1
-50	BH-10-041	. Frame assy, stn. 207.85		1
-51	BH-10-1075	. . Diaphragm		1
-52	BH-10-1073	. . Angle, attachment, port		1
-53	BH-10-1074	. . Angle, attachment, stbd		1
-54	BE-10-10079	. . Doubler, diaphragm		1
-55	BH-10-145	. . Bracket, attachment, port		1
-56	BH-10-146	. . Bracket, attachment, stbd		1

Fuselage
Fin and Lower Fuselage

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-57	BE-10-10083	. .	Angle, top.....		1
R -58	BH-10-445	. .	Angle, centre.....		1
-59	BH-10-10087	. .	Angle, lower		1
-60	BE-10-20023	. .	Packing.....		2
-61	BH-10-189	. .	Channel, mounting, elevator lever, port		1
-62	BH-10-190	. .	Channel, mounting, elevator lever, stbd.....		1
-63	BH-10-187	. .	Member, bridge		1
-64	BH-10-191	. .	Cleat.....		2
-65	BE-10-10101	. .	Bracket assy, elevator lever stop		2
-66	BE-10-10101/11	. .	Bracket, stop.....		2
-67	MK1000-3	. .	Nut, anchor (Kaylock).....		2
-68	SP93-B20	. .	Grommet.....		2
-69	G51-HA	. .	Flexiform (Heilermann)		A/R
-70	BE-10-10121	. .	Cleat, attachment.....		1
-71	BH-1979	. .	Frame at stn. 218.5		RF
-72	BE-10-50103	. .	Frame assy, at stn. 218.5.....		1
-72A	BE-10-10019/1	. . .	Frame diaphragm		1
-73	BE-10-10105	. .	Channel, port		1
-74	BE-10-10106	. . .	Channel, stbd.....		1
-75	BE-10-10107	. . .	Cleat, attachment.....		1
-76	BE-10-10109/1	. . .	Cleat, attachment.....		1
-77	BE-10-20021	. . .	Plate, tailplane attachment, port (Chap. 17-1, Fig 1)		RF
-78	BE-10-20022	. . .	Plate, tailplane attachment, stbd (Chap. 17.1, Fig 1).....		RF
-79	BE-10-10011/19	. .	Skin side, upper port, L72 x 24 SWG		1
-80	BE-10-10011/25	. .	Skin side, upper stbd, L72 x 26 SWG		1
-81	BH-10-1031	. .	Ring, reinforcing, port.....		1
-82	BE-10-10145	. .	Panel access, port		1
-83	A113-1C	. .	Bolt, 8-32 UNC.....		6
-84	SL211-08-1	. .	Nut, clip (Shurlock).....		6
-86	BE-10-10117/17	. .	Skin, leading edge, L72 x 26 SWG		1
-87	BE-10-10065	. .	Door assy, aerial access		1
-88	A113-1/2C	. .	Bolt, 8-32 UNC.....		6
-89	MK1000-08	. .	Nut, anchor (Kaylock).....		1
-90	BE-10-10065/3	. .	Surround, door		1
-91	BE-10-10065/9	. .	Door access.....		1
-92	BH-10-1057	. .	Skin lower, port, L72 x 24 SWG.....		1
-93	BH-10-1055	. .	Skin lower, stbd, L72 x 24 SWG		1
-94	BH-10-1043	. .	Ring, reinforcing, stbd		1
-95	BE-10-10147P	. .	Panel access, stbd.....		1
-96	A113-1C	. .	Bolt, 8-32 UNC.....		8
-97	SL211-08-1	. .	Nut, clip (Shurlock).....		8
-98	BH-10-1875	. .	Fairing, trim, tab control rod.....		1
-99	G51 P/A	. .	Grommet, flexiform, 5-1/2 in. long (Heilermann).....		A/R
-100	SP93-A06	. .	Grommet.....		1

Supplementary page for MCE Mod 2002

Fuselage
Fin and Lower Fuselage

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-91	BE-10-10065/9	..Door access		1
-----	---------------	---------------	--	---

INSERT

-91	M-R9-32-0001/1	..Panel access (MCE)		2
-91A+	PR1301	..Compound, sealing		A/R

+ Item not illustrated

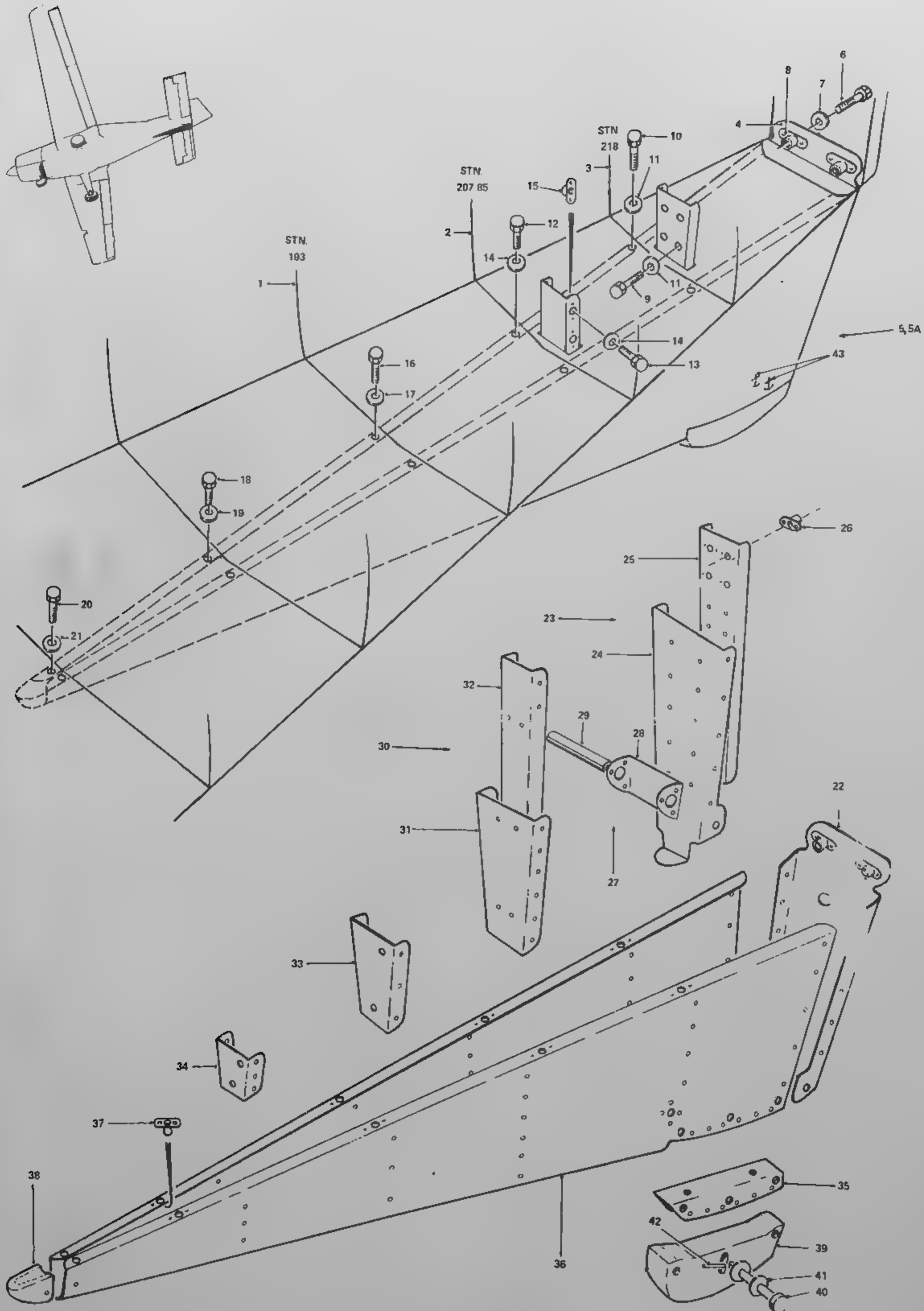


Fig. 5 Tail Bumper

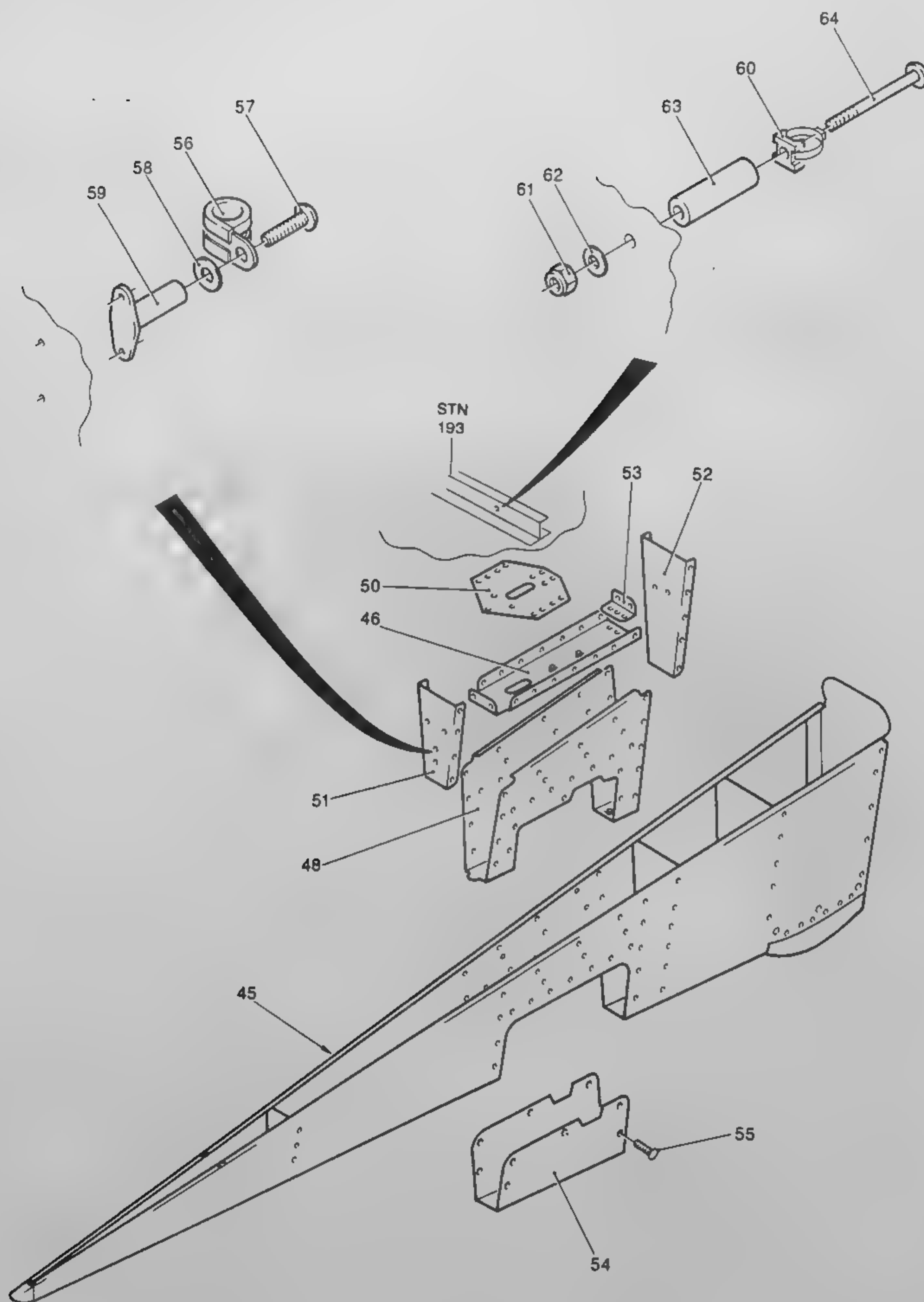


Fig.5 Tail Bumper

Supplementary page for MCE Mod 2002

Fuselage
Tail Bumper

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-5	BH-10-1561P	.Bumper assy., tail (Pre-Mod. 134)	1
-5A	BH-10-3687	.Bumper assy., tail (Mod. 134)	1
-33	BH-10-1531	.Diaphragm	1

INSERT

-44+	M-R9-42-0001	Installation of glideslope antenna (MCE) (Chap 61-1, Fig.2)	RF
-45	M-R9-42-0001/1	.Bumper assy., tail (MCE)	1
-46	M-R9-42-0011/1	..Web assy., (MCE)	1
-47+	MF1000-3	...Nut, anchor No.10 (Kaynar)	2
-48	M-R9-42-0011/2	..Doubler assy., (MCE)	1
-49+	MS2107S-L08	...Nut, anchor No.8	12
-50	M-R9-42-0011/4	..Doubler (MCE)	1
-51	M-R9-42-0011/6	..Diaphragm (MCE)	1
-52	M-R9-42-0011/7	..Diaphragm (MCE)	1
-53	M-R9-42-0011/9	..Bracket (MCE)	1
-54	M-R9-42-0011/5	..Cover (MCE)	1
-55	A113-1/2C	..Screw	12
-56	MS21919-WDG5	..Clip, 'P'	1
-57	NAS603-8	..Screw	1
-58	SP13-C	..Washer	1
-59	WSI-4L-12SW	..Spacer (Western Sky)	1
-60	TM-2S6-C	..Holder, tywrap (Panduit)	1
-61	A126-B	..Nut, stiff	1
-62	SP13-C	..Washer	2
-63	MCE-SP-1032/8	..Spacer (MCE)	1
-64	A217-B48	..Screw	1

+ Item not illustrated

Fuselage
Tail Bumper

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
	5- BH-10-003	Tail bumper installation		RF
	-1 BE-10-10015	. Frame assy., stn. 193 (Fig. 3)		RF
	-2 BH-10-041	. Frame assy., stn. 207.85 (Fig. 4)		RF
	-3 BH-10-1979	. Frame assy., stn. 218.5 (Fig. 4)		RF
	-4 BH-10-2711	. Angle, attachment		1
R	-5 BH-10-1561P	. Bumper assy., tail (Pre-Mod. 134)		1
R	-5 A BH-10-3687	. Bumper assy., tail (Mod. 134)		1
	-6 A102-1D	. Bolt, 10-32 UNF		2
	-7 SP124-D	. Washer, plain		2
	-8 MF1000-3	. Nut, anchor (Kaylock)		2
	-9 A102-1D	. Bolt, 10-32 UNF		2
	-10 A102-1/2D	. Bolt, 10-32 UNF		4
	-11 SP124-D	. Washer, plain		6
	-12 A102-1/2D	. Bolt, 10-32 UNF		2
	-13 A102-1D	. Bolt, 10-32 UNF		4
	-14 SP124-D	. Washer, plain		6
	-15 MF1000-3	. Nut, anchor (Kaylock)		4
	-16 A102-1D	. Bolt, 10-32 UNF		2
	-17 SP124-D	. Washer, plain		2
	-18 A102-1D	. Bolt, 10-32 UNF		2
	-19 SP124-D	. Washer, plain		2
	-20 A102-1/2	. Bolt, 10-32 UNF		2
	-21 SP124-D	. Washer, plain		2
	-22 BH-10-1567	. Diaphragm, rear		1
	-23 BH-10-1499	. Diaphragm assy., stn. 218.5		1
	-24 BH-10-1493	. . Diaphragm		1
	-25 BH-10-1495	. . Channel assy.		1
	-26 MF1000-3	. . Nut, anchor (Kaylock)		4
	-27 BH-10-1501	. Bracket assy.		1
	-28 BH-10-1497	. . Bracket		1
	-29 BH-10-1503	. . Tube		1
	-30 BH-10-1513	. Diaphragm assy., stn. 207.85		1
	-31 BH-10-1509	. . Diaphragm		1
	-32 BH-10-1511	. . Channel		1
	-33 BH-10-1531	. Diaphragm		1
	-34 BH-10-1533	. Diaphragm		1
	-35 BH-10-1565	. Channel		1
	-36 BH-10-1569	. Skin, bumper		1
	-37 MS21059-3K	. Nut, anchor (Kaylock)		10
	-38 BH-10-1555	. Insert		1
	-39 BH-10-1557	. Pad assy., bumper		1
	-40 SP4Y-F23	. Pin		3
	-41 SP126-G	. Washer		6
	-42 —	. Pin, 3/32 in. dia. x 9/16 in. long (Selock)		3
R	-43 SAL261/199	. Marker, picketing point (Mod. 134)		2

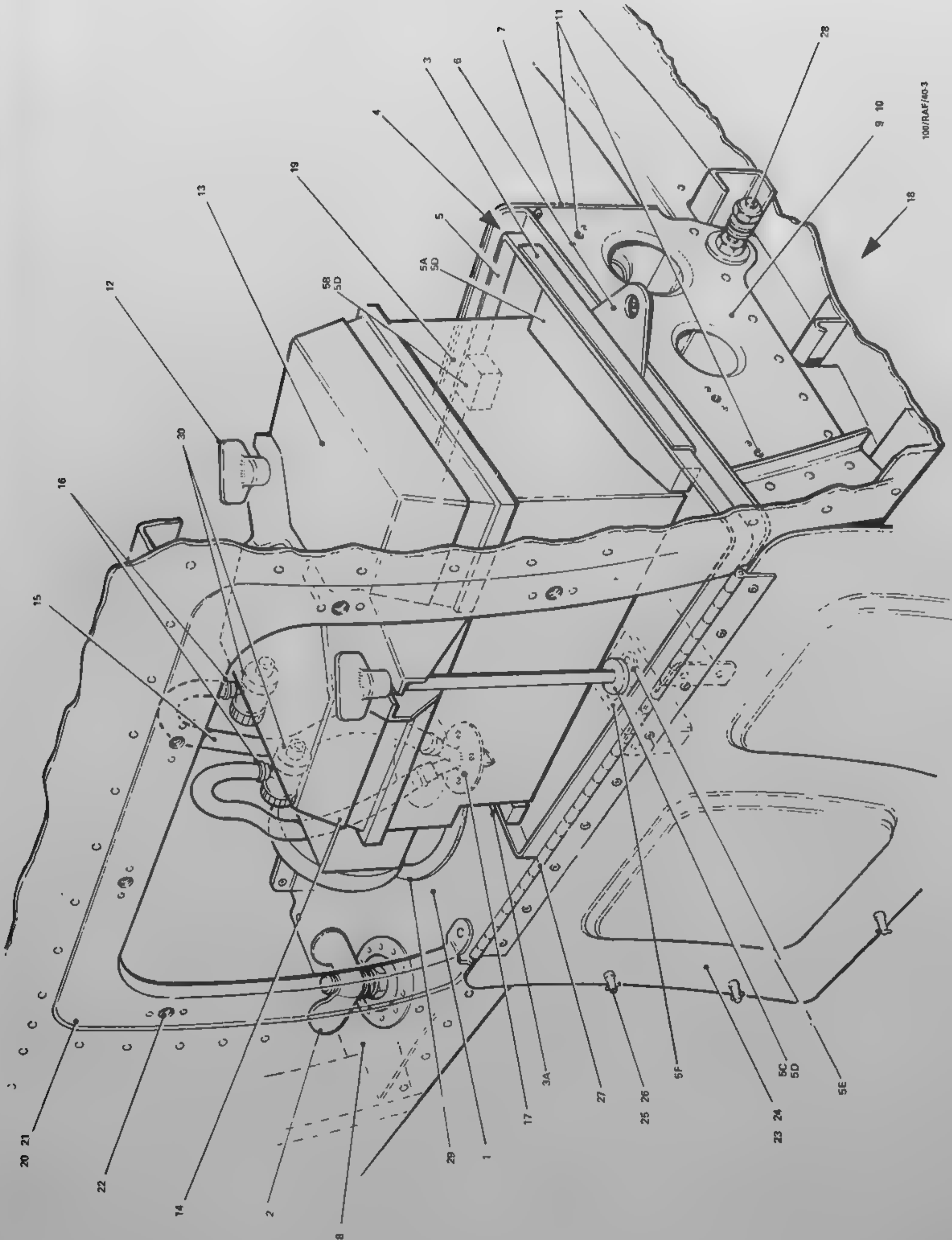


Fig.6 Battery Tray Installation

Fuselage
Battery Stowage

Fig. ■	Part No.	Nomenclature	Usage Code	Units per Assy.
Index	1 2 3 4 5 6			
6-	BH-10-2531	Battery stowage installation		RF
-1	BH-10-3529	. Platform, sub assy., battery tray (Pre-Mod. 79)		1
	BH-10-3513	. Platform, sub assy., battery tray (Post-Mod. 79)		1
-2	—	. . Bolt assy., earth (Chap. 55-1, Fig. 6)		RF
-3	BH-10-3233	. Angle, restraining, forward		1
-3 A	BH-10-3335	. Angle, restraining, aft		1
-4	BH-10-3241	. Tray assy., battery (Mod. 5)		1
-5	BH-10-3231	. . Tray		1
-5 A	BH-10-3235	. . Guide		2
-5 B	BH-10-3237	. . Stop		2
-5 C	BH-10-3239	. . Washer		2
-5 D	—	. . Adhesive, clear (Bostik)		A/R
-5 E	MF1000-4	. Nut, anchor (Kaylock)		2
-5 F	BH-10-3077	. Pad, stress		2
-6	BH-10-2587	Bracket, fuse holder		1
-7	BH-10-817	Member, side		1
-8	BH-10-815	Diaphragm, aft		1
-9	BH-10-807	Diaphragm assy., forward		1
-10	BH-10-809	. Diaphragm		1
-11	MK1000-3	. Nut, anchor (Kaylock)		4
-12	BH-10-2575	Bolt assy., tie		2
-13	5J-3419	Cover assy., battery venting		1
-14	BH-10-2125	Pipe, vent		1
-15	BH-10-2585	Pipe, vent		1
-16	SS-B-25	Clamp (Punduit Erma)		2
-17	BH-10-2119	Vent, battery (on skin, riveted)		1
-18	BH-81-527	Installation, battery and ground power relays (Chap. 55—1, Fig. 2)		RF
-19	24-19/25C	Battery (Chap. 55—1, Fig. 2)		RF
-20	BH-10-795	Surround assy., door		1
-21	BH-10-797	. Surround, door		1
-22	212-12D	. Receptacle (Camloc)		6
-23	BH-10-1009P	Door assy		1
-24	BH-10-987	. Door structure		1
-25	26-S8-2	. Stud (Camloc)		6
-26	2600LW	. Washer, retaining (Camloc)		6
-27	BH-10-793	. Hinge (Make from AS1879 — Ref. 28M/16453)		1
-28	SS135-5/16	Earth point		1
-29	X123	Rubber, extruded section, 9-1/2 ins., bells asbestos		A/R
-30	V2092	. Vent outlet, banjo (Varley) (Mod. 172)		2

Chapter 15
FUSELAGE

Section 6

CONTENTS

Floor panels

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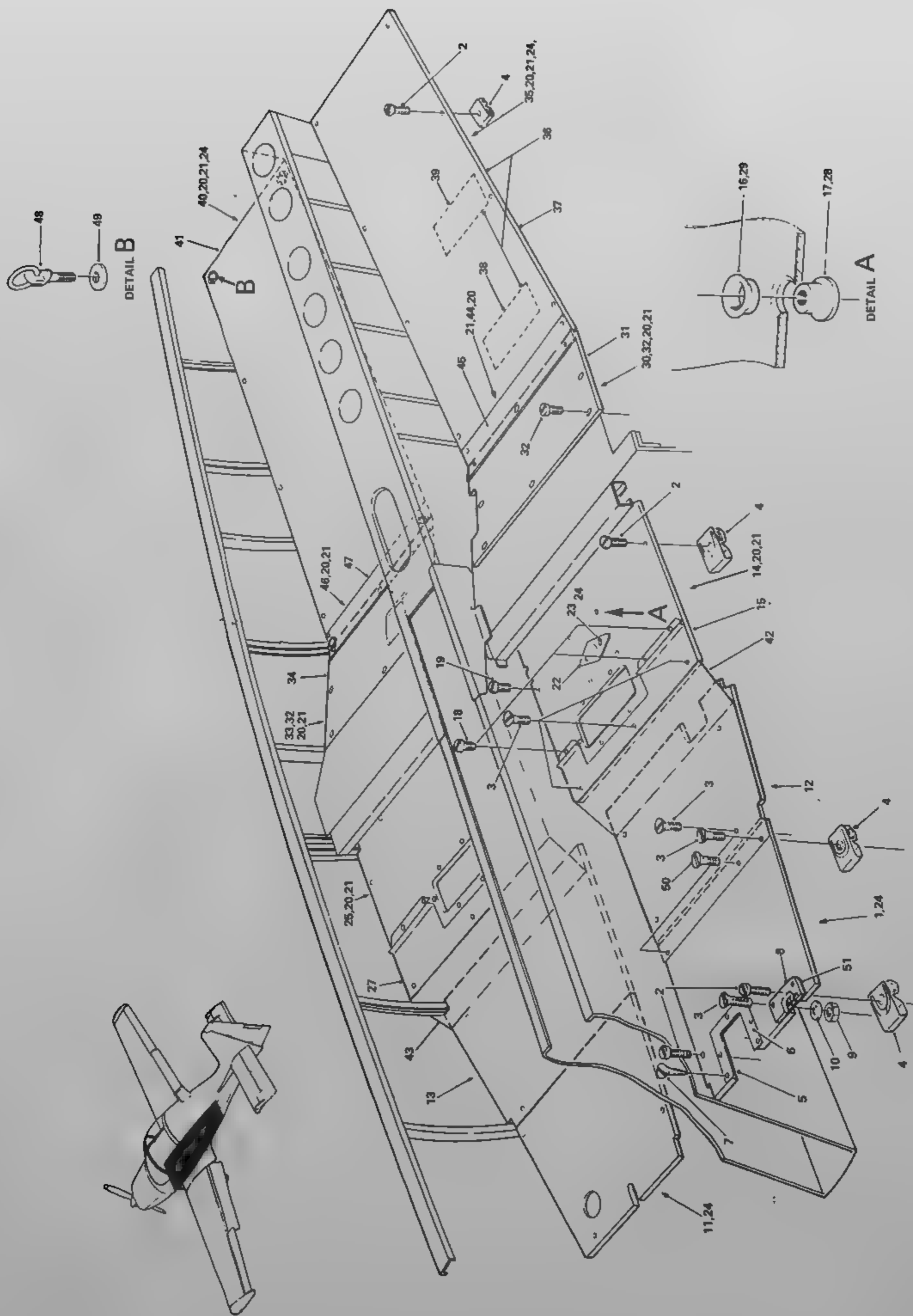


Fig. 1 Floor panel installation
(Mod. 107 inc)

Fuselage
Floor Panel Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-10-1649/50		G.A. of floor panels.....		FR
-1	BH-10-3635		. Panel, floor, port (Mod. 107).....		1
-2	A113-2D		. Bolt, 10-32 UNF.....		26
-3	A113-1D		. Bolt, 10-32 UNF.....		22
-4	SL211-3-1		. Nut, clip (Shurlock).....		40
-5	BH-10-2049		. Seal ducting assy.....		1
-6	BH-10-2051		. Cover, seal.....		1
-7	-		. Screw, wood, 3/8in. x No. 4 R/H (brass).....		7
-8	BH-10-3631		. Fairlead (Mod. 107).....		1
-9	H10-3		. Nut (Kaylock).....		2
-10	SP122-D		. Washer.....		2
-11	BH-10-2748		. Panel, floor stbd.....		1
-12	BH-10-1657		. Panel, floor port.....		1
-13	BH-10-1658		. Panel, floor stbd.....		1
-14	BH-10-1639		. Panel assy., floor, port (trimmed).....		1
-15	BH-10-1655		. . Panel, floor, port.....		1
-16	FB-30-1072/12G		. . Ferrule (inner) (Fliteform Ltd.).....		15
-17	FB-30-1065/1		. . Ferrule (c'sk outer) (Fliteform Ltd.).....		15
-18	A217-D10		. Bolt, 10-32 UNF.....		6
-19	A113-2C		. Bolt, 5-32 UNC.....		2
-20	NC-27R		. Trim, Aeromat tweed, pattern 695, colour 172/197.....		A/R
-21	528		. Adhesive, evostik (Ref. No. 33H/243).....		A/R
-22	BE-57-10075		. Seal, fuel system.....		1
-23	A113-1D		. Bolt, 10-32 UNF.....		2
-24	SP126-D		. Washer.....		2
-25	BH-10-1640		. Panel assy., floor, stbd.....		1
-27	BH-10-1656		. . Panel, floor, stbd.....		1
-28	FB-30-1072/12G		. . Ferrule (inner) (Fliteform Ltd.).....		9
-29	FB-30-1065/1		. . Ferrule (c'sk outer) (Fliteform Ltd.).....		9
-30	BH-10-2397		. Panel assy., floor, port (trimmed).....		1
-31	BH-10-2395		. . Panel floor, port.....		1
-32	A113-1/2D		. Bolt, 10-32 UNF.....		12
-33	BH-10-2398		. Panel assy., floor, stbd. (trimmed).....		1
-34	BH-10-2395		. . Panel floor, stbd.....		1
R -35	BH-10-4035		. Panel assy., floor, port (trimmed).....		1
R -36	BH-10-4025		. . Panel floor, sub-assy., port.....		1
R -37	BH-10-4033		. . Panel floor, port.....		1
R -38	BH-10-4023		. . Plate, backing.....		1
R -39	BH-10-4019		. . . Plate, backing.....		1
R -40	BH-10-4038		. Panel assy., floor, stbd. (trimmed).....		1
R -41	BH-10-4036		. . Panel floor, stbd.....		1
-42	BH-10-1651		. Fairing, floor and heel rest, port.....		1
-43	BH-10-1652		. Fairing, floor and heel rest, stbd.....		1
-44	BH-10-1637		. Fillet assy., floor, port (trimmed).....		1
-45	BH-10-1687		. . Fillet, floor, port.....		1
-46	BH-10-1638		. Fillet assy., floor, stbd. (trimmed).....		1
-47	BH-10-1688		. . Fillet, floor, stbd.....		1
-48	BE-10-11243		. Ring, lashing.....		4
-49	SP126-D		. Washer.....		4
-50	A173-1D		. Bolt.....		1
-51	BH-10-3633		. Seal (Mod. 107).....		1

Chapter 16

MAINPLANES

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Chapter 16

MAINPLANES

Section 1

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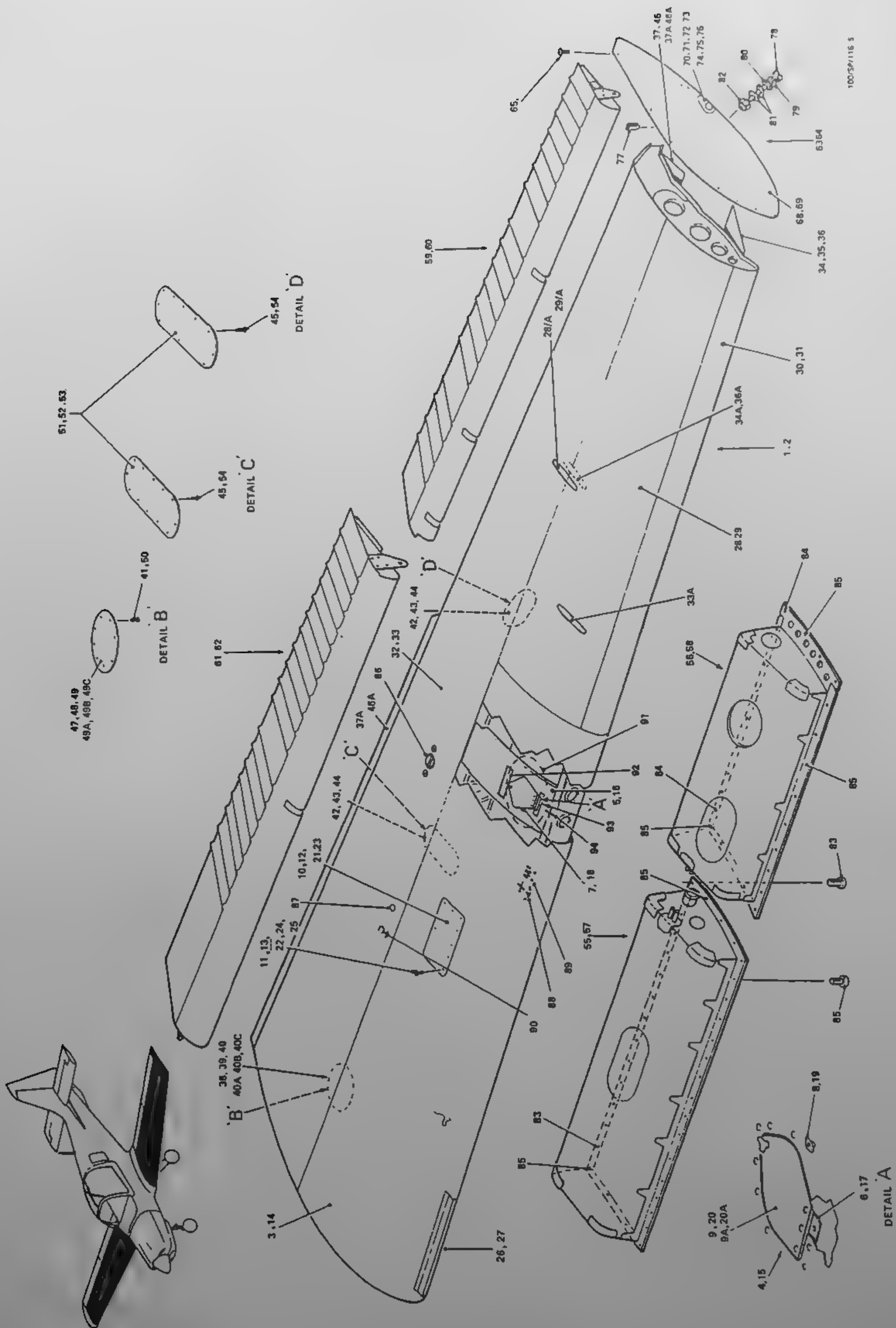


Fig. 1 Mainplane Assembly

Mainplanes
Mainplane Assembly

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
1-1	BH-00-429	Mainplane assy., port (in spares condition)		1
-2	BH-00-430	Mainplane assy., stbd. (in spares condition)		1
-3	BH-20-285	. Skin, top, forward, stns.26, 108.23, port.....		1
-4	BH-20-281	. . Flap, filler installation		1
-5	BH-20-283	. . . Channel, support.....		1
-6	BE-20-10197/1	. . . Packer.....		1
-7	BE-20-10197/3	. . . Seal, ring.....		1
-8	212 12D	. . . Receptacle (Camloc).....		1
R -9	BH-20-447	. . . Door (Pre-Mod. 134).....		1
R -9A	BH-20-765	. . . Door (Mod. 134).....		1
-10	BH-20-385	. . Doubler, skin, Fig.3.....		RF
-11	MF1000-08	. . . Nut, anchor (Kaylock).....		13
-12	BH-20-387	. Door, access.....		1
-13	A113-1/3C	. . Bolt, 8-32 UNC.....		13
-14	BH-20-287	. Skin, top forward, stns.26, 131.00 stbd.		1
-15	BH-20-282	. . Flap, filler installation		1
-16	BH-20-284	. . . Channel, support.....		1
-17	BE-20-10197/1	. . . Packer.....		1
-18	BE-20-10197/3	. . . Seal, ring		1
-19	212 12D	. . . Receptacle (Camloc).....		1
R -20	BH-20-447	. . . Door (Pre-Mod. 134).....		1
R -20A	BH-20-765	. . . Door (Mod. 134).....		1
-21	BH-20-386	. . Doubler, skin, Fig.3.....		RF
-22	MF1000-08	. . . Nut, anchor (Kaylock) (Use 28M/1301339 in lieu)		13
-23	BH-20-388	. Door, access.....		1
-24	A113-1/2C	. . Bolt, 8-32 UNC.....		13
-25	MK3400-06BC	. . Nut, anchor, cur out stn. 88.5, port.....		4
-26	BH-20-561	. Strake stall, port.....		1
-27	BH-20-562	. Strake stall, stbd.		1
-28	BH-20-289	. Skin, top forward, stns. 108.23, 178.70, port, L72 x 24 SWG		1
-28A	BH-20-575	. Strap, stn. 131, port upper.....		1
-29	BH-20-291	. Skin, top forward, stns. 131.00, 178.70, stbd., L72 x 24 SWG.....		1
-29A	BH-20-576	. Strap, stn. 131, stbd. upper.....		1
-30	BH-20-391	. Skin, nose, stnd. 108-23, 178.70, port.....		1
-31	BH-20-393	. Skin, nose, stns. 119-50, 178.70, stbd.		1
-32	BH-20-293	. Skin, top aft, stns. 26.0, 178.70, port, L72 x 24 SWG		1
-33	BH-20-294	. Skin, top aft, stns. 26.0, 178.70, stbd., L72 x 24 SWG.....		1
-33A	BH-20-570	. Strap, stn. 119.5, stbd., upper only		1
-34	BH-20-295	. Skin, bottom forward, stns. 108.23, 178.70, port.....		1
-34A	BH-20-577	. Strp, stn.131, port lower		1
-35	BH-20-297	. Skin, bottom forward, stns. 108.23, 131.00, stbd.		1
-36	BH-20-299	. Skin, bottom forward, stns. 131.00, 178.70, stbd.		1
-36A	BH-20-578	. Strap, stn. 131, stbd. lower.....		1
R -37	BH-20-449	. Skin, bottom aft, stns. 26.00, 178.70, port (Pre-Mod. 161)		1
R -37A	BH-20-775	. Skin, bottom aft, stns. 26.00, 178.70, port (Mod. 161)		1
-38	BH-20-363	. . Ring, reinforcing.....		1
-39	SL211-3-1	. . Nut, clip (Kaylock).....		8
R -40	BH-20-361P	. . Panel access (Pre-Mod. 161).....		1
R -40A	BH-20-771P	. . Access panel assy. (Mod. 161)		1
R -40B	BH-20-361P	. . . Access panel (Mod. 161).....		1
R -40C	BH-20-773	. . . Gasket (Mod. 161)		1
-41	A113-1/2D	. . Bolt, 10-32 UNF		8
-42	BH-20-357	. . Plate, reinforcing, stns. 78 and 119.....		2
-43	SL211-08-1	. . Nut clip (Kaylock).....		24
-44	BH-20-355	. . Panel access, stns. 78 and 119		2
-45	A113-1/2C	. . Bolt, 8-32 UNC.....		24
R -46	BH-20-450	. Skin, bottom aft, stns. 26.00, 178.70, stbd. (Pre-Mod. 161).....		1
R -46A	BH-20-776	. Skin, bottom aft, stns. 26.00, 178.70, stbd. (Mod. 161).....		1
-47	BH-20-363	. . Ring, reinforcing.....		1
-48	SL211-3-1	. . Nut clip (Kaylock).....		8

Mainplanes
Mainplanes Assembly

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
1-49	BH-20-361P	. . Panel access (Pre-Mod. 161).....		1
-49A	BH-20-771P	. . Access Panel assy. (Mod.161).....		1
-49B	BH-20-361P	. . . Access panel (Mod. 161)		1
-49C	BH-20-773	. . . Gasket (Mod. 161).....		1
-50	A113-1/2D	. . Bolt, 10-32 UNF.....		8
-51	BH-20-357	. Plate, reinforcing, stns. 78 and 119		2
-52	SL211-08-1	. . Nut, clip (Kaylock)		24
-53	BH-20-355	. . Panel access.....		2
-54	A113-1/2C	. . Bolt, 8-32 UNC.....		24
-55*	BH-57-165P	. Tank assy., inboard port, Chap.41-1, Fig.1 (Pre-Mod. 69)		RF
-56*	BH-57-189P	. Tank assy., outboard port, Chap.41-1, Fig.1 (Pre-Mod. 69)		RF
-57*	BH-57-166P	. Tank assy., inboard stbd., Chap.41-1, Fig.1 (Pre-Mod. 69).....		RF
-58*	BH-57-190P	. Tank assy., outboard stbd., Chap.41-1, Fig.1 (Pre-Mod.69).....		RF
-59*	BE-24-10001P	. Aileron, port, Chap.16-2, Fig.2		1
-60*	BE-24-10002P	. Aileron, stbd., Chap.16-2, Fig.2.....		1
-61*	BE-25-10001P	. Flap, port, Chap.16-2, Fig.4		1
-62*	BE-25-10002P	. Flap, stbd., Chap.16-2, Fig.4.....		1
-63*	BH-20-749P	. Tip assy., wing, port (Mod. 130)		1
64*	BH-20-750P	. Tip assy., wing, stbd. (Mod. 130)		1
		Attaching parts		
-65	A113-1C	Bolt, 8-32 UNC		14
-68	BH-20-757	. . Tip wing, sub-assy., port (Mod. 130)		1
-69	BH-20-758	. . Tip, wing, sub-assy., stbd. (Mod. 130).....		1
-70	A1285-R24	. . Light, navigation, red, port		1
-71	A1285-G24	. . Light, navigation, green, stbd.		1
-72	BH-20-455	. . Reflector, navigation light, port.....		1
-73	BH-20-456	. . Reflector, navigation light, stbd.		1
		Attaching parts		
-74	A102-3B	Bolt, 6-32 UNC.....		3
-75	SP124-B	Washer		3
-76	MF1000-06	Nut, anchor (Kaylock)		3
-77	No.782	. . Seal, Baines rubber, 4 in.lg.....		1
-78	A217-32D	. . Bolt, earth, 10-32 UNF.....		1
-79	SP47-C	. . Washer, spring		1
-80	A103-DT	. . Nut, thin		1
-81	SP122-D	. . Washer, plain		2
-82	A125-D	. . Nut, stiff		1
-83	A113-3D	. . Bolt, 10-32 UNC		13
-84	A113-2D	. . Bolt, 10-32 UNC		9
-85	A113-1D	. . Bolt, 10-32 UNC		37
-86	BH-20-637/638	. Aircraft, bonding socket installation (Mod. 28) (Chap. 55-1, Fig.5)		RF
-87	PK8-78229-00-000-000	. Plug, plastic (lifting point) (Carr Fasteners).....		1
-88	SAL261/199	. Marker, picketing point (Mod. 134)		1
-89	SAL261/201	. Marker, jacking point (Mod. 134)		1
-90	SAL261/203	. Marker, hoisting point (Mod. 134)		1
R -91	SAL261/207	. Marker, fuel (Avgas) (Mod. 134) (Pre-Mod. 271)		1
R -92	BH-00-536/30	. Decal, fuel (Avgas) (Mod. 271).....		1
R -93	BH-00-536/31	. Decal, fuel (100LL) (Mod. 271).....		1
R -94	SAL261/75	. Marker, fuel (Star) (Mod. 134) (Pre-Mod. 271)		1
R	BH-00-536/22	. Decal, fuel (Star) (Mod. 271).....		1

* * For additional items incorporated in spare wing assy. see Chap.55-1, fig. 5 and 56, fig. 1.

* Not supplied as part of items 1 and 2.

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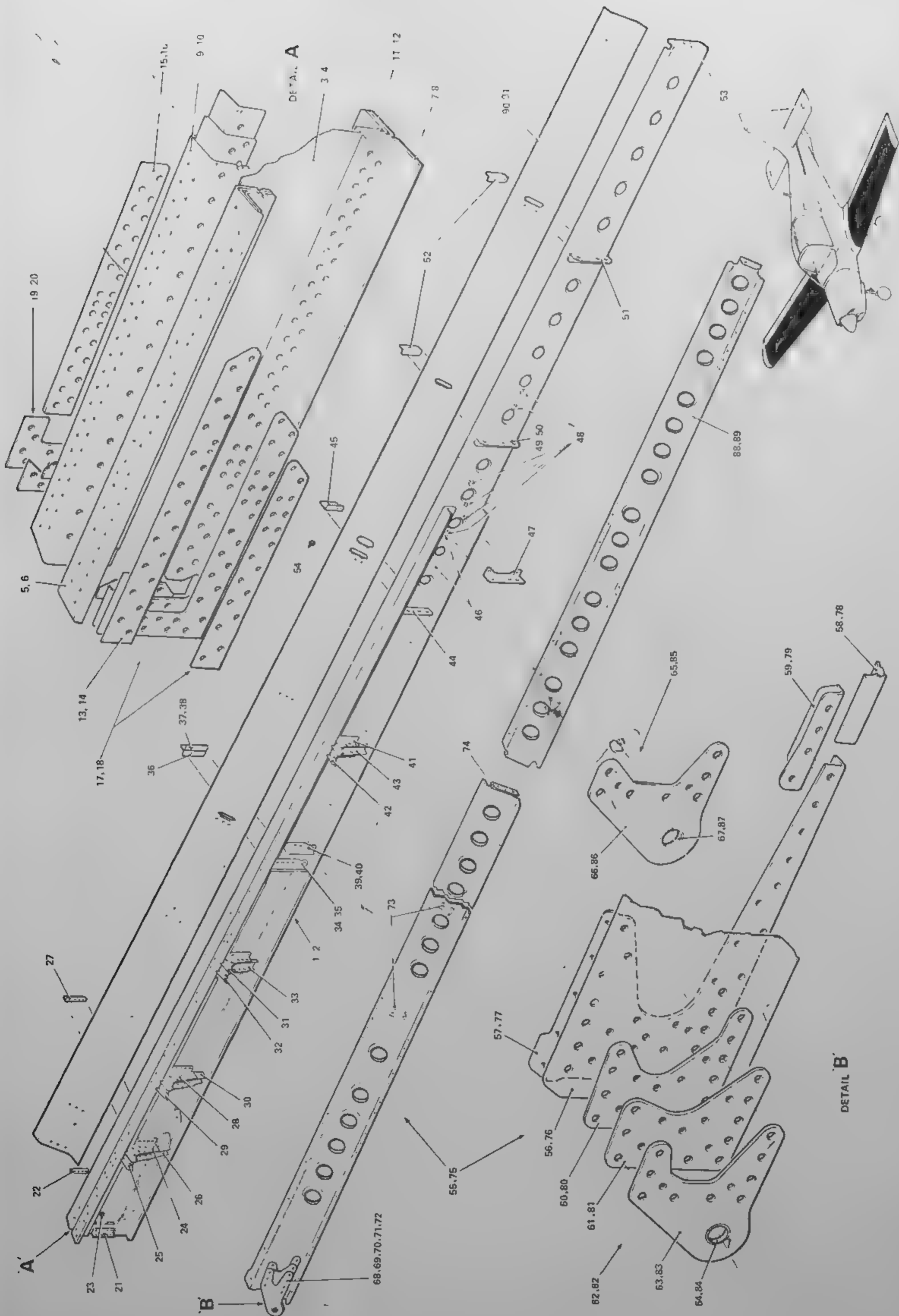


Fig. 2 Front and rear spar

100 SP 119

Mainplanes
Main, Front and Rear Spar

Fig			Nomenclature						Usage	Units
Index	Part No.	1	2	3	4	5	6	Code		per
										Assy.
2	-1	BH-20-021	Spar assy, main, port.....							1
	-2	BH-20-022	Spar assy, main, stbd.....							1
	-3	BH-20-065	. Web, port.....							1
	-4	BH-20-066	. Web, stbd.....							1
	-5	BH-20-051	. Boom, top forward, port.....							1
	-6	BH-20-052	. Boom, top forward, stbd.....							1
	-7	BE-20-053	. Boom, bottom forward, port.....							1
	-8	BH-20-054	. Boom, bottom forward, stbd.....							1
	-9	BH-20-055	. Boom, top aft, port.....							1
	-10	BH-20-056	. Boom, top aft, stbd.....							1
	-11	BH-20-057	. Boom, bottom, port.....							1
	-12	BH-20-058	. Boom, bottom, stbd.....							1
	-13	BH-20-059	. Doubler, boom, top forward, port.....							1
	-14	BH-20-060	. Doubler, boom, top forward, stbd.....							1
	-15	BH-20-161	. Doubler, boom, bottom aft, port.....							1
	-16	BH-20-162	. Doubler, boom, bottom aft, stbd.....							1
	-17	BH-20-217	. Plate assy, root, forward port.....							1
	-18	BH-20-218	. Plate assy, root, forward stbd.....							1
	-19	BH-20-219	. Plate assy, root, aft port.....							1
	-20	BH-20-220	. Plate assy, root, aft stbd.....							1
	-21	BH-20-113	. Angle attaching forward, rib, stn. 26.00 port and stbd.....							1
	-22	BH-20-115	. Angle attaching, aft, rib, stn. 26.00 port and stbd.....							1
	-23	SP93-B8	. Grommet, port and stbd.....							1
	-24	BH-20-079	. Gusset, outboard port, inboard stbd. stn. 37.05.....							1
	-25	BH-20-080	. Gusset, inboard port, outboard stbd. stn. 37-05.....							1
	-26	BH-20-081	. Channel, stn. 36.05.....							1
	-27	BE-20-10203	. Angle aft attachment, stn. 36.35.....							1
	-28	BH-20-085	. Gusset, outboard port, inboard stbd. stn. 46.56.....							1
	-29	BH-20-086	. Gusset, inboard port, outboard stbd. stn. 46.56.....							1
	-30	BH-20-087	. Channel, stn. 46.56.....							1
	-31	BH-20-091	. Gusset, outboard port, inboard stbd. stn. 60.00.....							1
	-32	BH-20-092	. Gusset, inboard port, outboard stbd. stn. 60.00.....							1
	-33	BH-20-093	. Channel, stn. 60.00.....							1
	-34	BH-20-095	. Angle, attaching, forward rib port, stn. 73.00.....							1
	-35	BH-20-096	. Angle, attaching, forward rib stbd, stn. 73.00.....							1
	-36	BH-20-097	. Angle port and stbd., stn. 73.00.....							1
	-37	BH-20-099	. Angle, attaching aft rib port, stn. 73.00.....							1
	-38	BH-20-100	. Angle, attaching aft rib stbd, stn. 7300.....							1
	-39	BH-20-101	. Angle port, stn. 75.65.....							1
	-40	BH-20-102	. Angle stbd, stn. 75.65.....							1
	-41	BH-20-103	. Gusset, rib, stn. 90.80.....							1
	-42	BH-20-104	. Gusset, rib, stn. 90.80.....							1
	-43	BH-20-215	. Channel, rib, stn. 90.80.....							1
	-44	BH-20-105	. Angle forward, stn. 108.23.....							1
	-45	BH-20-189	. Angle aft, stn. 108.23.....							1
	-46	MK1000-6	. Nut anchor, port (Kaylock).....							2
	-47	BH-20-107	. Angle stbd., stn. 119.50.....							1
	-48	MK1000-6	. Nut anchor, port (Kaylock).....							4
	-49	BH-20-105	. Angle, forward, stn. 131.00.....							1
	-50	BH-20-110	. Angle, forward, stbd., stn. 131.00.....							1
	-51	BH-20-110	. Angle, forward, stn. 154.00.....							1
	-52	BE-20-10125	. Angle, aft, stn. 131.00 and stn.154.00.....							2
	-53	BE-20-10135	. Angle, aft, stn. 178.70.....							1
	-54	SP93-A8	. Grommet.....							1
	-55	BH-20-591	Spar assy, front - inboard port.....							1
	-56	BH-20-171	. Web.....							1
	-57	BH-20-567	. Doubler aft.....							1
	-58	BH-20-237	. Angle, tank landing.....							1
	-59	BH-20-239	. Angle, joint.....							1
	-60	BH-20-229	. Plate, forward.....							1

Mainplanes
Main, Front and Rear Spar

Fig			Nomenclature						Usage	Units
Index	Part No.		1	2	3	4	5	6	Code	per
										Assy.
2	-61	BH-20-231	.	Plate forward.....						1
	-62	BH-20-243	.	Lug assy, forward						1
	-63	BH-20-233	.	Lug.....						1
R	-64	BE-20-10181	.	Bush.....						1
	-65	BH-20-245	.	Lug assy, aft						1
	-66	BH-20-235	.	Lug.....						1
	-67	BE-20-10181	.	Bush.....						3
	-68	2101/06/13	.	Jo-bolt (Avdel)						2
	-69	2101/06/10	.	Jo-bolt (Avdel)						1
	-70	2101/06/07	.	Jo-bolt (Avdel)						1
	-71	2101/06/04	.	Jo-bolt (Avdel)						1
	-72	2101/06/02	.	Jo-bolt, port (Avdel).....						4
	-73	MK1000-06	.	Nut anchor, (Kaylock).....						1
	-74	BE-20-10183	.	Cleat, strn. 131.00.....						1
	-75	BH-20-592	.	Spar assy, front inboard stbd						1
	-76	BH-20-173	.	Web						1
	-77	BH-20-568	.	Doubler, aft						2
	-78	BH-20-238	.	Angle, tank landing						1
	-79	BH-20-240	.	Angle, joint						1
	-80	BH-20-229	.	Plate, forward.....						1
	-81	BH-20-231	.	Plate, forward.....						1
	-82	BH-20-244	.	Lug assy, forward						1
	-83	BH-20-234	.	Lug.....						1
	-84	BE-20-10181	.	Bush.....						1
	-85	BH-20-245	.	Lug assy, aft						1
	-86	BH-20-235	.	Lug.....						1
	-87	BE-20-10181	.	Bush.....						1
	-88	BH-20-333	.	Spar assy, extension front port.....						1
	-89	BH-20-341	.	Spar assy, extension front stbd.....						1
	-90	BE-20-10185	.	Spar rear, port.....						1
	-91	BE-20-10186	.	Spar rear, stbd.....						1

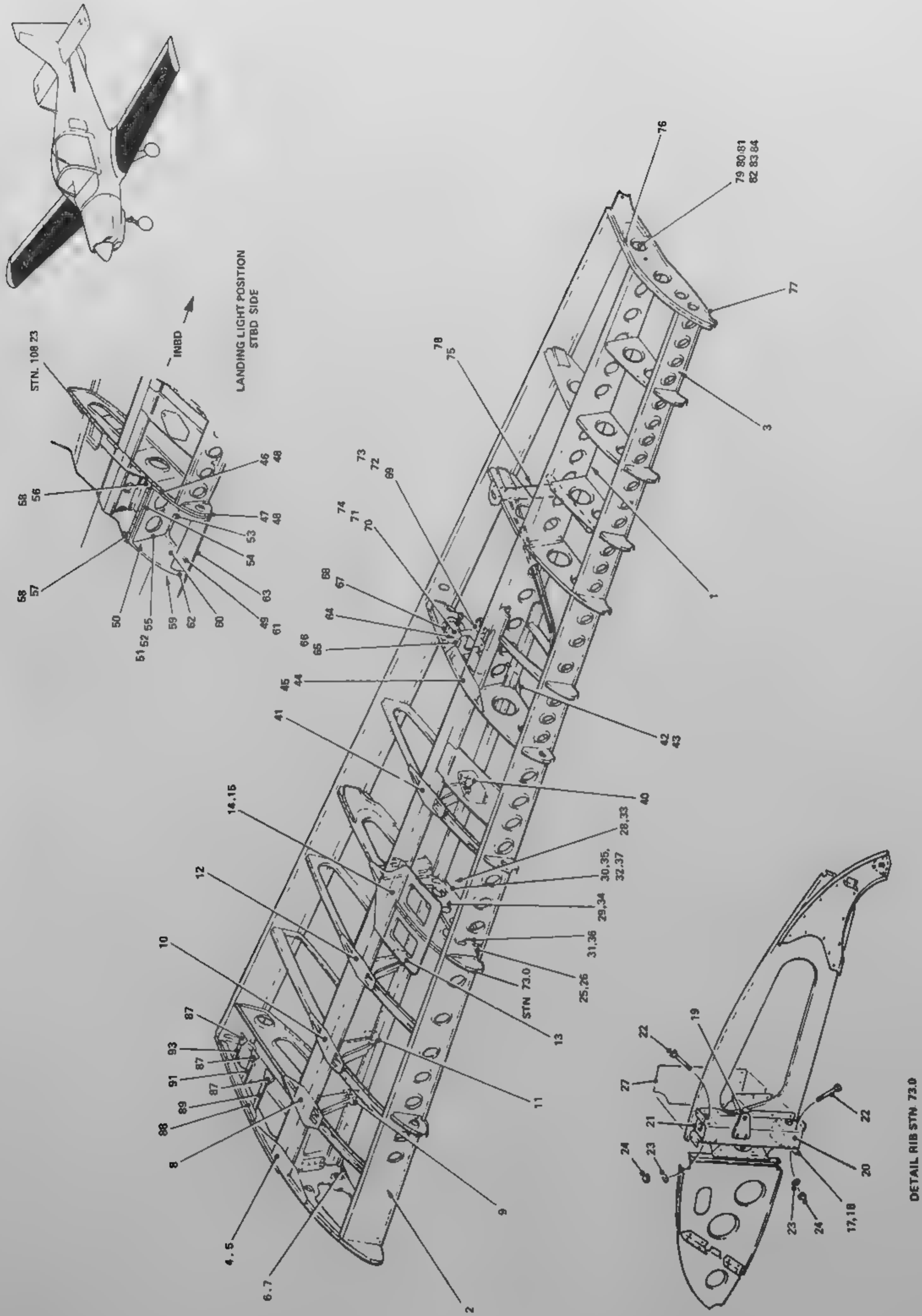


Fig 3 Internal structure

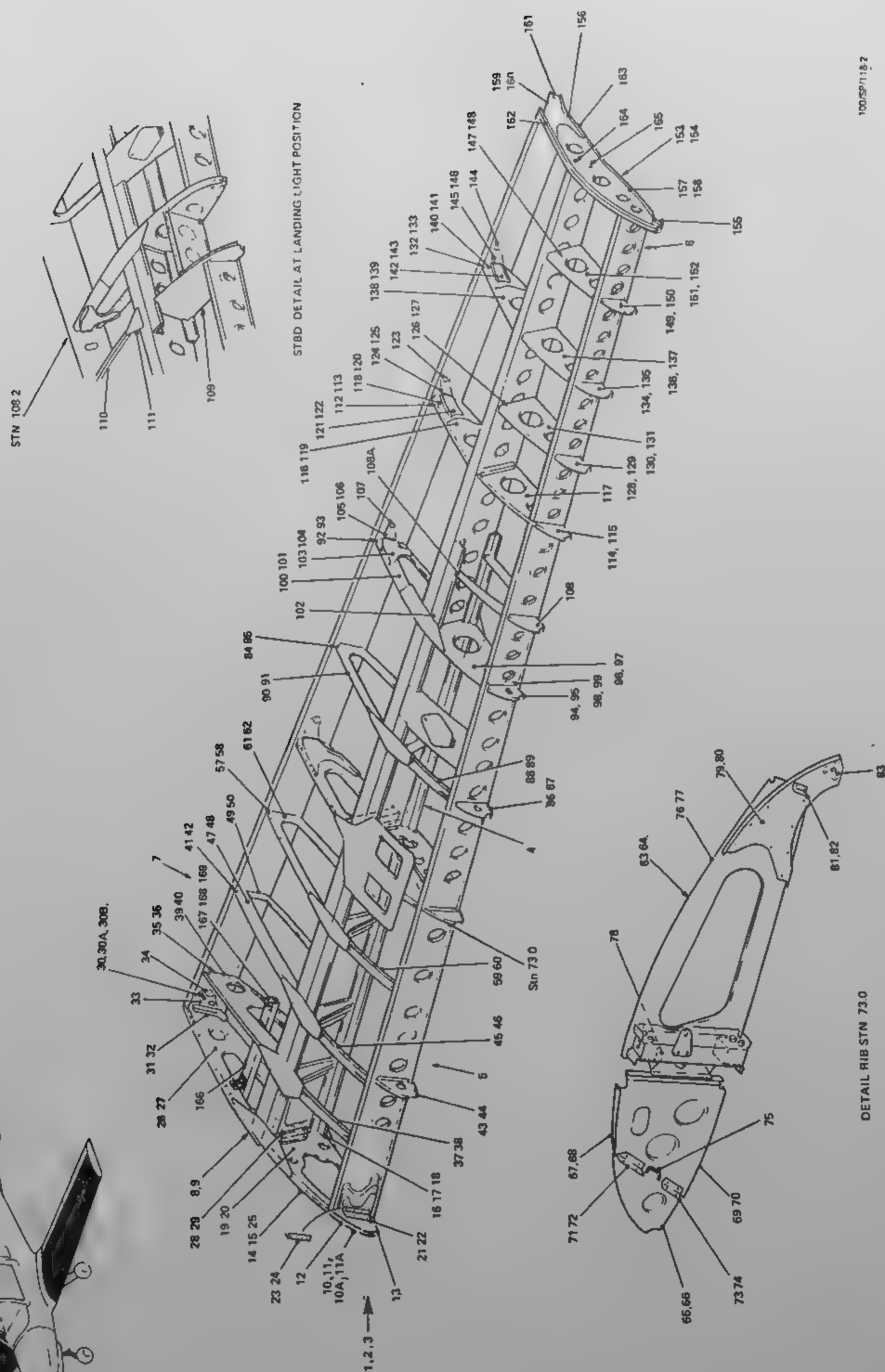
Mainplanes
Internal Structure

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-1	BH-20-021/022		Spar assy., main, Fig. 2		RF
-2	BH-20-591/592		Spar assy., front inboard, Fig. 2		RF
-3	BH-20-333/341		Spar assy., front outboard extension, Fig. 2		RF
-4	BH-20-117		. Strap, top, stn. 26.00 port		1
-5	BH-20-118		. Strap, top stn. 26.00 stbd.		1
-6	BH-20-369		. Strap, bottom, stn. 26.00 port		1
-7	BH-20-370		. Strap, bottom, stn. 26.00 stbd.		1
-8	BH-20-139		. Strap, top, stn. 37.05		1
-9	BH-20-141		. Strap, bottom, stn. 36.05		1
-10	BH-20-163		. Plate, top, stn. 46.56		1
-11	BH-20-165		. Plate, bottom, stn. 46.56		1
-12	BH-20-175		. Strap, top, stn. 60.00		1
-13	BH-20-177		. Strap, bottom, stn. 60.00		1
-14	BH-20-385		. Doubler, skin, stn. 73.00 port		1
-15	BH-20-386		. Doubler, skin, stn. 73.00 stbd.		1
-17	BH-20-153		. Post, jacking, stn. 73.00 port		1
-18	BH-20-154		. Post, jacking, stn. 73.00 stbd.		1
-19	BH-20-131		. Fairlead, stn. 73.00		1
-20	BE-20-10177		. Block, jacking support lower		1
-21	BH-20-241		. Block, lifting top		1
-22	A102-11D		. Bolt, 10-32 UNF		2
-23	SP125-D		. Washer		2
-24	H-10-3		. Nut, stiff (Kaylock)		2
-25	BH-20-563		. Strap, skin, lower port		1
-26	BH-20-564		. Strap, skin, lower stbd.		1
-27	BH-20-143		. Plate, doubler		1
R -28	BH-20-713		. Channel assy., stn. 75-65, port (Mod. 69)		1
-29	BH-20-133		. . Channel		1
-30	BH-20-221		. . Angle		1
-31	G51-HA		. . Grommet, flexiform (Hellermann)		1
-32	MK1000-08		. . Nut, anchor (Kaylock)		1
R -33	BH-20-714		. Channel assy., stn. 75-65, stbd. (Mod. 69)		1
-34	BH-20-134		. . Channel		1
-35	BH-20-222		. . Angle		1
-36	G51-H-A9		. . Grommet, flexiform (Hellermann)		1
-37	MK1000-08		. . Nut, anchor (Kaylock)		1
-40	BH-20-193		. Strap, bottom skin, stn. 90.80, port		1
-41	BH-20-191		. Strap, top skin, stn. 90.80, stbd.		1
-42	BH-20-197		. Strap, bottom skin, stn. 108-23, port		1
-43	BH-20-198		. Strap, bottom skin, stn. 108-23, stbd.		1
-44	BH-20-195		. Strap, top skin, stn. 108-23, port		1
-45	BH-20-196		. Strap, top skin, stn. 108-23, stbd.		1
-46	BH-20-377		. Angle, top, nose rib, stn. 108-23		1
-47	BH-20-379		. Angle, bottom nose rib, stn. 108.23		1
-48	SL211-08-1		. Nut, slip (Shurlock)		5
-49	BH-20-415		. Strip		1
-50	BH-20-579		. Diaphragm assy., landing lamp		1
-51	BH-20-569		. . Diaphragm		1
-52	MF1000-3		. . Nut, anchor (Kaylock)		8
-53	BH-20-439		. . Angle, bottom		1
-54	BH-20-437		. . Angle, top		1
-55	MF1000-08		. Nut, anchor (Kaylock)		4
-56	BE-20-10297		. Cleat (outboard)		1
-57	BE-20-10298		. Cleat (inboard)		1
-58	MF1000-08		. Nut, anchor (Kaylock)		2
-59	BH-20-339		. Rib assy., stn. 119.50, stbd.		1
-60	BH-20-335		. . Rib, nose		1
-61	BH-20-343		. . Angle lower		1
-62	BH-20-353		. . Angle upper		1

Mainplane
Internal Structure

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-63	BH-20-345	.	Cover assy., landing lamp, Chap. 56-1, Fig. 1		RF
-64	BE-20-10009/10	.	Control assy., aileron, Chap. 19-1, Fig. 2		RF
-65	BH-20-753	.	Diaphragm assembly, port (Mod. 113)		1
-66	BH-20-754	.	Diaphragm assembly, starboard (Mod. 113)		1
-67	BH-20-755	.	Diaphragm assembly, port (Mod. 113)		1
-68	BH-20-756	.	Diaphragm assembly, starboard (Mod. 113)		1
-69	BE-20-10015	.	Diaphragm assembly, lower and top		2
-70	BE-20-10019	.	Bracket attachment, top port		1
-71	BE-20-10020	.	Bracket attachment, top stbd.		1
-72	BE-20-10021	.	Bracket attachment, lower port		1
-73	BE-20-10022	.	Bracket attachment, lower stbd.		1
-74	K1000-3	.	Nut, anchor (Kaylock)		2
-75	BE-20-10195	.	Mast assy., pitot, Chap. 28-1, Fig. 1		RF
-76	BH-20-425	.	Strap, joint, top, stn. 178.70		1
-77	BH-20-427	.	Strap, joint, bottom, stn. 178.70		1
-78	BH-80-007	.	Pitot static system installation, Chap. 28-1, Fig. 1		RF
-79	BH-81-359	.	Conduit, port inner		1
-80	BH-81-363	.	Conduit, stbd. inner		1
-81	BH-81-361	.	Conduit, port outer		1
-82	BH-81-365	.	Conduit, stbd. outer		1
-83	SS311-5	.	Clip 'P' type		1
-84	SAL-7	.	Clip		1
R -85†	BH-20-005		GA of wing skin, port		RF
R -86†	BH-20-006		GA of wing skin, starboard		RF
R -87	BH-20-831	.	Gusset (Mod. 175), port and starboard		3
R -88	BH-20-833	.	Doubler (Mod. 175), port and starboard		1
R -89	BH-20-835	.	Stiffener, forward, port (Mod. 175)		1
R -90†	BH-20-836	.	Stiffener, forward, starboard (Mod. 175)		1
R -91	BH-20-837	.	Stiffener, centre, port (Mod. 175)		1
R -92†	BH-20-838	.	Stiffener, centre, starboard (Mod. 175)		1
R -93	BH-20-839	.	Stiffener, aft, port (Mod. 175)		1
R -94†	BH-20-840	.	Stiffener, aft, starboard (Mod. 175)		1

† Item not illustrated



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Mainplanes
Rib Assembly

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
4-1	BH-00-429	Mainplane assy, port Fig.1.....							RF
-2	BH-00-430	Mainplane assy, stbd Fig.1.....							RF
-4	BH-20-021/022	. Spar assy, main Fig.2.....							RF
-5	BH-20-591/592	. Spar assy, front inboard, Fig.2.....							RF
-6	BH-20-333/341	. Spar assy, outboard extension, Fig.2.....							RF
-7	BE-20-10185/ 10186	. Spar assy, rear Fig.2.....							RF
-8	BH-20-711	. Rib assy, stn 26.00 port (Mod 69).....							1
-9	BH-20-712	. Rib assy, stn 26.00 stbd (Mod 69).....							1
-10	BH-20-251	. . Rib,nose,port (Pre-Mod 118).....							1
-10A	BH-20-763	. . Rib,nose,port (Mod 118).....							1
-11	BH-20-252	. . Rib,nose,stbd (Pre-Mod 118).....							1
-11A	BH-20-764	. . Rib,nose stbd (Mod 118).....							1
-12	MF1000-08	. . Nut,anchor (Kaylock).....							1
-13	MF1000-4	. . Nut,anchor (Kaylock).....							1
-14	BH-20-167	. . Rib,forward,inner,port.....							1
-15	BH-20-168	. . Rib,forward,inner,stbd.....							1
-16	MF1000-4	. . Nut,anchor (Kaylock).....							3
-17	MF1600-08	. . Nut,anchor (Kaylock).....							1
-18	MF3000-08	. . Nut,anchor,stbd (Kaylock).....							1
-19	BH-20-169	. . Rib,forward outer,port.....							1
-20	BH-20-170	. . Rib,forward outer,stbd.....							1
-21	BH-20-255	. . Cleat,port nose rib.....							1
-22	BH-20-256	. . Cleat,stbd,nose rib.....							1
-23	BH-20-253	. . Cleat forward.....							2
-24	2101-06-15	. . Bolt,special,Jo-bolt (Avdell).....							4
-25	MK3000-08	. . Nut,anchor (Kaylock).....							1
-26	BH-20-249	. . Rib,aft,port.....							1
-27	BH-20-250	. . Rib,aft,stbd.....							1
-28	SP93-B10	. . Grommet.....							1
-29	SP93-B8	. . Grommet.....							1
R -30	S778-2	. Label (Mod & Serial No.) port and stbd.....							1
-30A	BH-00-431	. . Label,port.....							1
-30B	BH-00-432	. . Label,stbd.....							1
-31	BE-20-10007/11	. . Angle attachment, rear spar, port.....							1
-32	BE-20-10007/12	. . Angle attachment, rear spar, stbd.....							1
-33	BE-20-10095	. . Plate, flap stop.....							1
-34	BE-45-10133	. . Bearing assy, Chap.16-2 Fig.4.....							RF
-35	BH-20-029	. Rib assy, stn.37.05 port.....							1
-36	BH-20-030	. Rib assy,stn 37.05 stbd.....							1
-37	BH-20-397	. . Stiffener,port.....							1
-38	BH-20-398	. . Stiffener,stbd.....							1
-39	BE-20-10191	. . Rib,canted,port.....							1
-40	BE-20-10192	. . Rib,canted,stbd.....							1
-41	BH-20-031	. Rib assy,stn 46.56 port.....							1
-42	BH-20-032	. Rib assy,stn 46.56 stbd.....							1
-43	BH-20-481	. . Rib nose, port.....							1

Mainplanes
Rib Assembly

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
4-44	BE-20-10029/8	.	.	Stiffener, stbd.....					1
-45	BH-20-399	.	.	Stiffener, port.....					1
-46	BH-20-400	.	.	Stiffener, stbd.....					1
-47	BE-20-10029/3	.	.	Stiffener, port.....					1
-48	BE-20-10029/4	.	.	Stiffener, stbd.....					1
-49	BE-20-10029/5	.	.	Stiffener, port.....					1
-50	BE-20-10029/6	.	.	Stiffener, stbd.....					1
-57	BH-20-033	.		Rib assy, stn 60.00, port.....					1
-58	BH-20-034	.		Rib assy, stn 60.00, stbd.....					1
-59	BH-20-401	.	.	Stiffener, port.....					1
-60	BH-20-402	.	.	Stiffener, stbd.....					1
-61	BH-20-181	.	.	Stiffener, port.....					1
-62	BH-20-182	.	.	Stiffener, stbd.....					1
-63	BH-20-581	.		Rib assy, stn 73.00 port.....					1
-64	BH-20-582	.		Rib assy, stn 73.00 stbd.....					1
-65	BH-20-159	.	.	Rib nose, port.....					1
-66	BH-20-160	.	.	Rib nose, stbd.....					1
-67	BH-20-121	.	.	Rib inner, forward port.....					1
-68	BH-20-122	.	.	Rib inner, forward, stbd.....					1
-69	BH-20-123	.	.	Rib outer, forward port.....					1
-70	BH-20-124	.	.	Rib outer, forward stbd.....					1
-71	BH-20-145	.	.	Cleat, upper front spar, port.....					1
-72	BH-20-146	.	.	Cleat, upper front spar, stbd.....					1
-73	BH-20-147	.	.	Cleat, lower front spar, port.....					1
-74	BH-20-148	.	.	Cleat, lower front spar, stbd.....					1
-75	G51-HB	.	.	Grommet, flexiform (Heller mann).....					1
-76	BH-20-125	.	.	Rib aft, port.....					1
-77	BH-20-126	.	.	Rib aft, stbd.....					1
-78	SP93-B10	.	.	Grommet, rubber.....					2
-79	BH-20-127	.	.	Plate hinge, aft port.....					1
-80	BH-20-128	.	.	Plate hinge, aft stbd.....					1
-81	BH-20-149	.	.	Cleat, rear spar, port.....					1
-82	BH-20-150	.	.	Cleat, rear spar, stbd.....					1
-83	BE-45-10133	.	.	Bearing assy, Chap 16-2, Fig.1.....					RF
-84	BH-20-037	.		Rib assy, stn 90.80 port.....					1
-85	BH-20-038	.		Rib assy, stn 90.80 stbd.....					1
-86	BE-20-10033/9	.	.	Stiffener nose, port.....					1
-87	BE-20-10033/10	.	.	Stiffener nose, stbd.....					1
-88	BH-20-403	.	.	Stiffener, port.....					1
-89	BH-20-404	.	.	Stiffener, stbd.....					1
-90	BH-20-185	.	.	Rib aft, port.....					1
-91	BH-20-186	.	.	Rib aft, stbd.....					1
-92	BH-20-715	.		Rib assy, stn 108.23 port (Mod 69).....					1
-93	BH-20-716	.		Rib assy, stn 108.23 stbd (Mod 69).....					1
-94	BE-20-10037/13	.	.	Rib nose, port.....					1
-95	BH-20-213	.	.	Rib nose, stbd.....					1
-96	BH-20-565	.	.	Rib forward, port.....					1

Mainplanes
Rib Assembly

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
4-97	BH-20-566	.	.	Rib forward, stbd.....					1
-98	BH-20-209	.	.	Cleat, front spar, port.....					1
-99	BH-20-210	.	.	Cleat, front spar, stbd.....					1
-100	BH-20-201	.	.	Rib aft, port.....					1
-101	BH-20-202	.	.	Rib aft, stbd.....					1
-102	SP93-B10	.	.	Grommet rubber.....					1
-103	BH-20-203	.	.	Plate hinge, port.....					1
-104	BH-20-204	.	.	Plate hinge, stbd.....					1
-105	BH-20-149	.	.	Cleat, rear spar, port.....					1
-106	BH-20-150	.	.	Cleat, rear spar, stbd.....					1
-107	BH-45-10133	.	.	Bearing assy, Chap.16-2, Fig.1.....					RF
-108	BH-20-337	.	.	Rib nose, stn 119.50 port.....					1
-109	BH-20-339	.	.	Rib assy, stn. 119.50, stbd, Fig.3.....					RF
-110	BH-20-205	.	.	Stiffener assy, aft, stn. 119.50 stbd.....					1
-111	BH-20-211	.	.	Strap skin, stbd.....					1
-112	BH-20-407	.	.	Rib assy, stn 131.00 port.....					1
-113	BH-20-409	.	.	Rib assy, stn 131.00, stbd.....					1
-114	BH-20-317	.	.	Rib nose, port.....					1
-115	BH-20-321	.	.	Rib nose, stbd.....					1
-116	BE-20-10041/5	.	.	Rib aft, port.....					1
-117	BH-20-319	.	.	Rib forward, stbd.....					1
-118	BE-20-10041/7	.	.	Doubler, port.....					1
-119	BE-20-10041/6	.	.	Rib aft, stbd.....					1
-120	BE-20-10041/8	.	.	Doubler.....					1
-121	BE-20-10041/9	.	.	Bracket, hinge, port.....					1
-122	BE-20-10041/10	.	.	Bracket hinge, stbd.....					1
-123	BE-45-10133	.	.	Bearing assy., Chap.16-2 Fig.2.....					RF
-124	BE-20-10159	.	.	Angle attachment, port.....					1
-125	BE-20-10160	.	.	Angle attachment, stbd.....					1
-126	BH-20-411	.	.	Rib assy, stn 142.50 port.....					1
-127	BH-20-412	.	.	Rib assy, stn 142.50 stbd.....					1
-128	BH-20-325	.	.	Rib nose, port.....					1
-129	BH-20-326	.	.	Rib nose, stbd.....					1
-130	BH-20-323	.	.	Rib forward, port.....					1
-131	BH-20-324	.	.	Rib forward, stbd.....					1
-132	BH-20-405	.	.	Rib assy, stn 154.00 port.....					1
-133	BH-20-406	.	.	Rib assy, stn 154.00 stbd.....					1
-134	BH-20-315	.	.	Rib nose, port.....					1
-135	BH-20-316	.	.	Rib nose, stbd.....					1
-136	BH-20-313	.	.	Rib forward, port.....					1
-137	BH-20-314	.	.	Rib forward, stbd.....					1
-138	BE-20-10043/5	.	.	Rib aft, port.....					1
-139	BE-20-10043/6	.	.	Rib aft, stbd.....					1
-140	BE-20-10043/7	.	.	Doubler, port.....					1
-141	BE-20-10043/8	.	.	Doubler, stbd.....					1
-142	BE-20-10043/9	.	.	Bracket, hinge, port.....					1

Mainplanes
Rib Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-143	BE-20-10043/10	. .	Bracket,hinge stbd.....		1
-144	BE-20-10133	. .	Bearing assy, Chap.16-2, Fig.2.....		RF
-145	BE-20-10159	. .	Angle attachment,port.....		1
-146	BE-20-10160	. .	Angle attachment,stbd.....		1
-147	BH-20-413	. .	Rib assy. stn 166.00 port.....		1
-148	BH-20-414	. .	Rib assy. stn 166.00 stbd.....		1
-149	BH-20-331	. .	Rib nose,port.....		1
-150	BH-20-332	. .	Rib nose,stbd.....		1
-151	BH-20-329	. .	Rib forward, port.....		1
-152	BH-20-330	. .	Rib forward, stbd.....		1
-153	BE-20-10049	. .	Rib assy,stn 178.70 port.....		1
-154	BE-20-10050	. .	Rib assy,stn 178.70 stbd.....		1
-155	SL210-08-1	. .	Nut clip (Shurlock).....		11
-156	SL210-08-2	. .	Nut clip (Shurlock).....		3
-157	BH-20-327	. .	Rib,port.....		1
-158	BH-20-328	. .	Rib,stbd.....		1
-159	BH-20-423	. .	Bracket hinge,port.....		1
-160	BH-20-424	. .	Bracket hinge,stbd.....		1
-161	BE-45-10133	. .	Bracket assy, Chap 16-2 Fig.2.....		RF
-162	BH-20-429	. .	Packer top, L72, 22 SWG x 4.9 in.....		2
-163	BH-20-431	. .	Packer bottom L72, 3.0 in x 0.7 in.....		2
-164	SP93-A10	. .	Grommet,rubber.....		2
-165	SS135-1	. .	Bolt assy,earth.....		1
-166	BH-20-625	. .	Channel assy. (Mod 46) port and stbd.....		1
-167	BH-20-635	. .	Fairlead, port and stbd.....		1
-168	A106-3B	. .	Bolt.....		2
-169	SP14-B	. .	Washer.....		2

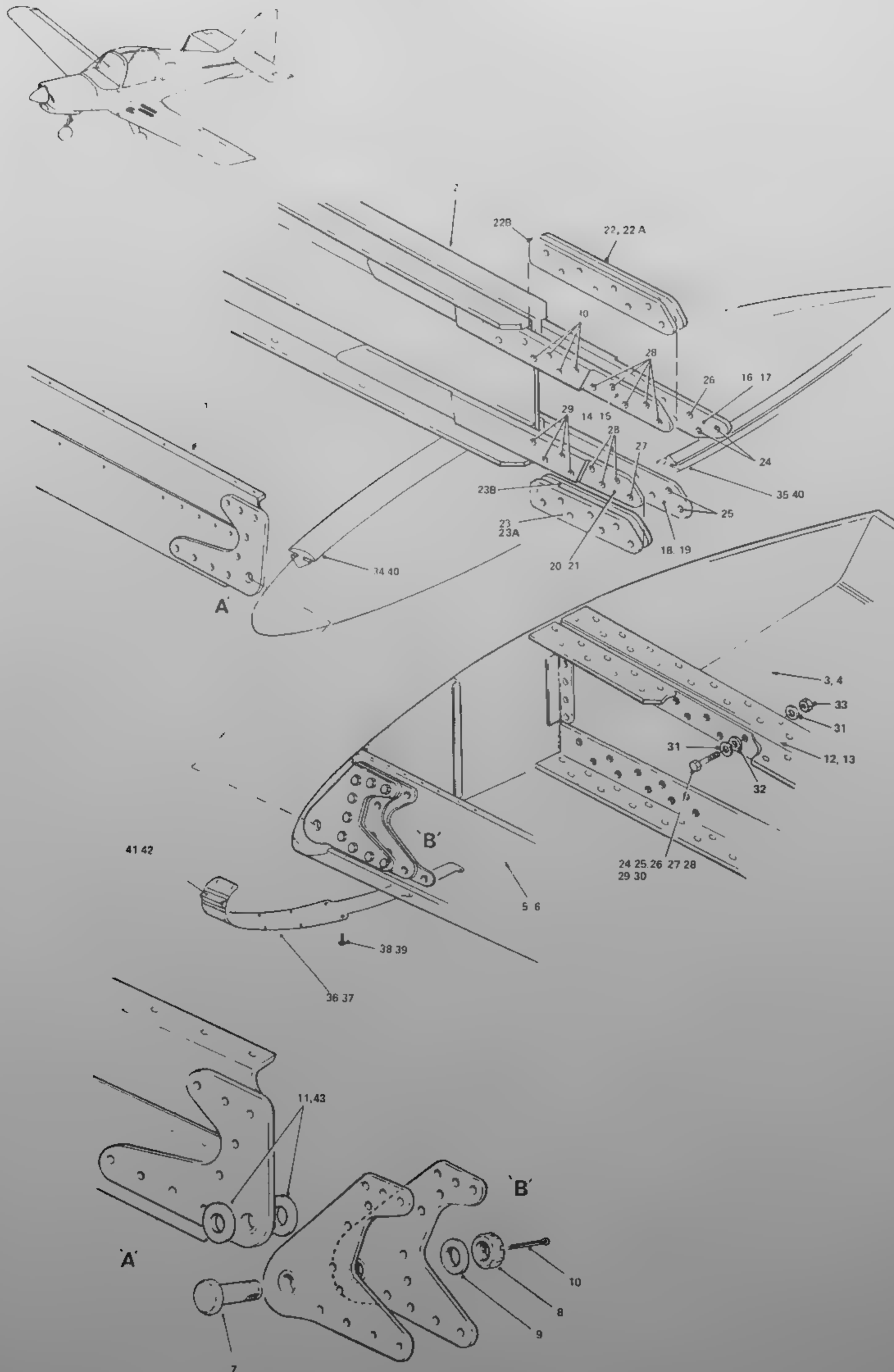


Fig.5 Mainplane installation

100/SP/18-4

Mainplanes
Mainplanes Installation

Fig & Index	Part No.	Nomenclature	Usage Code	Units per assy.
		1 2 3 4 5 6		
5-	BH-00-003/4	Mainplane to fuselage installation		RF
-1	BH-10-005	. Spar assembly, centre section, Chap. 15-3. Fig. 1		RF
-2	BH-10-261	. Spar assembly, centre section, Chap. 15-2. Fig. 5		RF
-3	BH-00-429	Mainplane assembly, Chap.16-1. Fig.1		RF
-4	BH-00-430	Mainplane assembly, Chap.16-1. Fig.1		RF
-5	BH-20-591	. Spar assembly, Chap.16-1. Fig.2		RF
-6	BH-20-592	. Spar assembly, Chap.16-1. Fig.2		1
-7	A112-8N	. Bolt, 1/2 in. UNF		1
-8	A110-NS	. Nut, slotted		1
-9	SP125-N	. Washer		1
-10	SP90-E8	. Pin, split		2
-11	BE-00-10015/1	. Spacers		RF
-12	BH-20-021	. Spar assembly, Chap. 16-1. Fig.2		RF
-13	BH-20-022	. Spar assembly, Chap.16-1. Fig.2		RF
-14	BH-10-147	. Fitting attachment, Chap.15-2. Fig.5		RF
-15	BH-10-148	. Fitting attachment, Chap.15-2. Fig.5		RF
-16	BE-20-10167/1	. Fitting attachment, Chap.15-2. Fig.5		RF
-17	BE-20-10167/2	. Fitting attachment, Chap.15-2. Fig.5		RF
-18	BE-20-10167/3	. Fitting attachment, Chap.15-2. Fig.5		RF
-19	BE-20-10167/4	. Fitting attachment, Chap.15-2. Fig.5		RF
-20	BH-20-149	. Fitting attachment, Chap.15-2. Fig.5		RF
-21	BH-20-150	. Fitting attachment, Chap.15-2. Fig.5		1
-22	BH-20-277	. Shim, top, port and starboard (Pre-Mod 153)		1
-22A	BH-20-767	. Shim, top, port and starboard (Mod. 153)		1
-22B	BH-20-841	. Packer, top, port and starboard (Mod. 193)		1
-23	BH-20-279	. Shim, lower, port and starboard (Pre-Mod.153)		1
-23A	BH-20-769	. Shim, lower, port and starboard (Mod.153)		2
-24	A111-9G	. Bolt 5/16 in. UNF		2
-25	A111-10G	. Bolt 5/16 in. UNF		1
-26	A111-11G	. Bolt 5/16 in. UNF		1
-27	A111-13G	. Bolt 5/16 in. UNF		8
-28	A111-14G	. Bolt 5/16 in. UNF		4
-29	A111-17G	. Bolt 5/16 in. UNF		4
-30	A111-18G	. Bolt 5/16 in. UNF		44
-31	SP125-G	. Washer		A/R
-32	SP126-G	. Washer		22
R -33	AS8600G	. Nut (Kaylock)		1
-34	BH-00-035	. Seal, joint, top		1
-35	BH-00-037	. Seal, joint, lower		1
-36	BH-10-2823	. Panel, access, port		1
-37	BH-10-2824	. Panel, access, stbd		8
-38	A113-1E	. bolts 1/4 in. UNF		7
-39	A113-2C	. Bolts 8/32 in. UNF		A/R
-40	EC-776	. Adhesive (Bostick) (Ref. No. 33H/2245038)		1
-41	BH-10-2825	. Strake, stall, port		1
-42	BH-10-2826	. Strake, stall, stbd		A/R
-43	SS301/4	. Shim, laminated		

Chapter 16
MAINPLANES

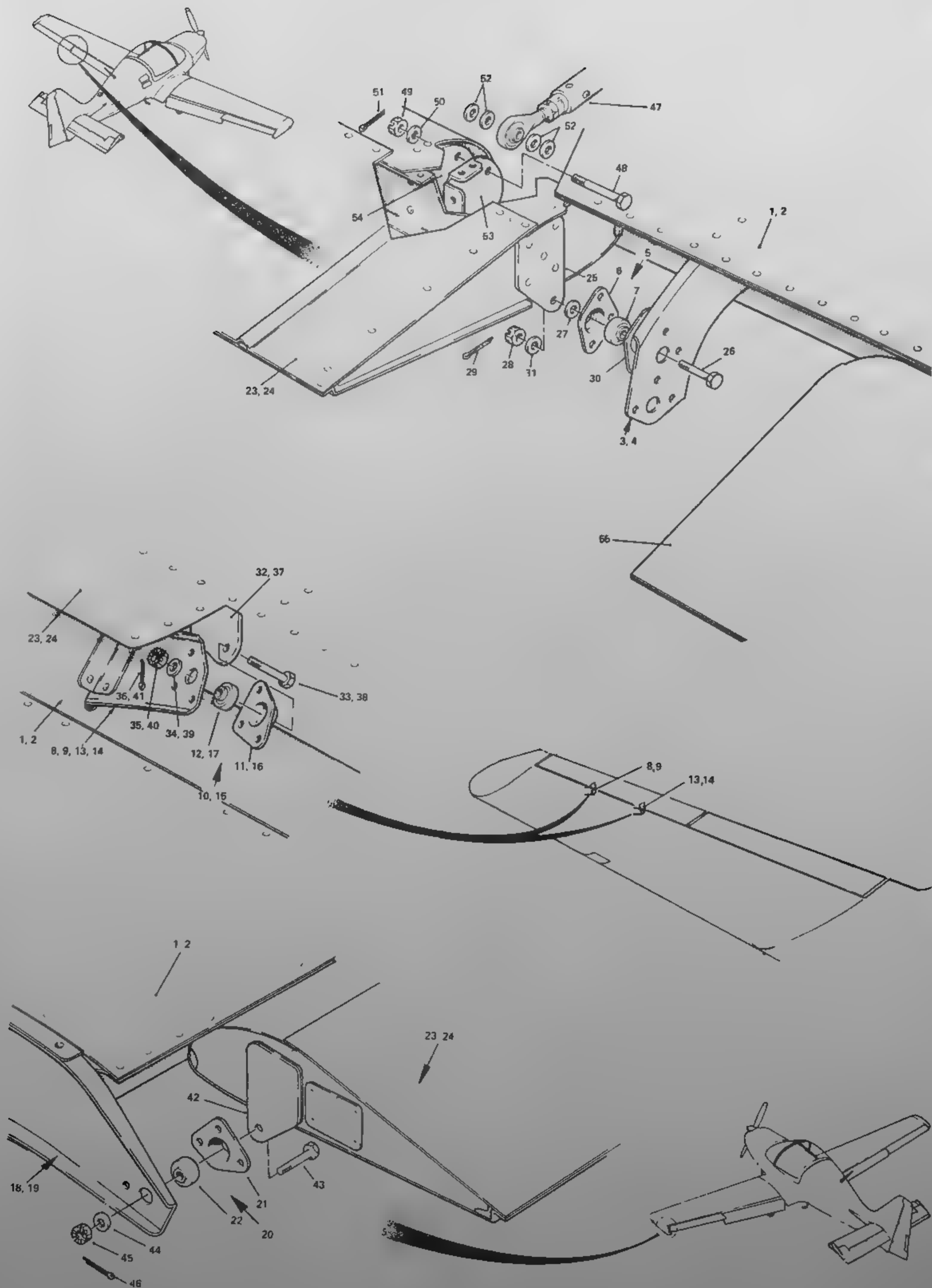
Section 2

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Mainplanes
Aileron Assembly

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-1	BE-24-10001P		Aileron assy., Chap. 16—1, Fig. 1		RF
-2	BE-24-10002P		Aileron assy., Chap. 16—1, Fig. 1		RF
-3	BE-24-10001/19		. Spar, main, port		1
-4	BE-24-10001/20		. Spar, main, stbd.		1
-5	BE-24-10001/3		. Rib, trailing, inner & outer, port and stbd.		3
-6	BE-24-10001/4		. Rib trailing, inner & outer, port and stbd.		3
-7	BE-24-10039		. Angle, rib attachment, port and stbd.		3
-8	BE-24-10001/5		. Rib nose, port and stbd.		3
-9	BE-24-10001/6		. Rib nose, port and stbd.		3
-10	BE-24-10035		. Angle, rib attachment, port and stbd.		2
-11	BE-24-10001/13		. Rib end, port inner, stbd. outer		1
-12	BE-24-10001/14		. Rib end, port outer, stbd. inner		1
-13	BE-24-10045		. Plate, pocket, inboard hinge, port and stbd.		1
-14	BE-24-10037		. Plate hinge, port and stbd.		4
-15	BE-24-10001/11		. Bracket, actuating attachment, port inner, stbd. outer		1
-16	BE-24-10001/12		. Bracket, actuating attachment, port inner, stbd. outer		1
-17	BE-24-10043		. Plate doubler, upper, port and stbd.		1
-18	BE-24-10041		. Plate doubler, bottom, port and stbd.		1
-19	BE-24-10001/9		. Stiffener, bottom skin, port (Use 26NS6054412)		3
-20	BE-24-10001/10		. Stiffener, bottom skin, stbd. (Use 26NS6054413)		3
-21	BE-24-10001/15		. Skin, leading edge and bottom L72 x 28 SWG, port		1
-22	BE-24-10001/16		. Skin, leading edge and bottom L72 x 28 SWG, stbd.		1
-23	BE-24-10001/17		. Skin upper L72 x 28 SWG, port		1
-24	BE-24-10001/18		. Skin upper L72 x 28 SWG, stbd.		1
-25	BE-24-10049		. Tab, trimming (stbd. only)		1
R -26	BE-00-10011		. Plate, inspection date, port and stbd. (Use 26NS6054576)		1



100/SP/13/1

Fig 2 Aileron installation

Mainplanes
Aileron Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-00-10013/4		Aileron Installation.....		RF
-1	BH-00-429		Mainplane assy., port, Chap. 16-1, Fig. 1.....		RF
-2	BH-00-430		Mainplane assy., stbd., Chap. 16-1, Fig. 1.....		RF
-3	BH-20-039		. Rib assy., port, stn. 108.23, Chap. 16-1, Fig. 4.....		RF
-4	BH-20-040		. Rib assy., stbd., stn. 108.23, Chap. 16-1, Fig. 4.....		RF
-5	BE-45-10133		. . Bearing assy., aileron hinge stn. 108.23.....		1
			Alternative		
	BE-45-10029		. . Bearing assy.		1
-6	BE-45-10131		. . . Housing.....		1
-7	SK400014		. . . Bearing (S.K.F.)		1
			Alternatives		
	CK 1/4 C		. . . Bearing (Ransome & Marles).....		1
	N3106		. . . Bearing (Hoffmann)		1
-8	BH-20-407		. Rib assy., port, stn. 131.00, Chap. 16-1, Fig. 4.....		RF
-9	BH-20-409		. Rib assy., stbd., 131.00, Chap. 16-1, Fig. 4.....		RF
-10	BE-45-10133		. . Bearing assy., aileron hinge stn. 131.00.....		1
			Alternative		
	BE-45-10029		. . Bearing Assy.		1
-11	BE-45-10131		. . . Housing.....		1
-12	SK400014		. . . Bearing (S.K.F.)		1
			Alternatives		
	CK 1/4 C		. . . Bearing (Ransome & Marles).....		1
	N3106		. . . Bearing (Hoffmann)		1
-13	BH-20-405		. Rib assy., port, stn. 154.00, Chap. 16-1, Fig. 4.....		RF
-14	BH-20-406		. Rib assy., stbd., stn. 154.00, Chap. 16-1, Fig. 4.....		RF
-15	BE-45-10133		. . Bearing assy., aileron hinge, stn. 154.00.....		1
			Alternative		
	BE-45-10029		. . Bearing assy.		1
-16	BE-45-10131		. . . Housing.....		1
-17	SK400014		. . . Bearing (S.K.F.)		1
			Alternatives		
	CK 1/4 C		. . . Bearing (Ransome & Marles).....		1
	N3106		. . . Bearing (Hoffmann)		1
-18	BH-20-421		. Rib assy., port, stn. 178.70.....		RF
-19	BH-20-422		. Rib assy., stbd., stn. 178.70.....		RF
-20	BE-45-10133		. . Bearing assy., aileron hinge, stn. 178.70.....		1
			Alternative		
	BE-45-10029		. . Bearing assy.		1
-21	BE-45-10131		. . . Housing.....		1
-22	SK400014		. . . Bearing (S.K.F.)		1
			Alternatives		
	CK 1/4 C		. . . Bearing (Ransome & Marles).....		1
	N3106		. . . Bearing (Hoffmann)		1
-23	BE-24-10001		. Aileron assy., port, Fig. 1.....		RF
-24	BE-24-10002		. Aileron assy., stbd.....		RF
-25	BE-24-10037		. . Plate, hinge port and stbd., stn. 108.23, Fig. 1.....		RF
			Attaching parts		
-26	A112-7E		Bolt, 1/4 in. UNF.....		1
-27	SP125-E		Washer.....		1
-28	A110-ES		Nut, slotted.....		1
-29	SP90-C5		Pin, split.....		1
-30	BE-10-11413		Spacer		1
-31	SS-301-1		Washer, shim.....		AR
-32	BE-24-10037		. . Plate, hinge, port and stbd., stn. 131, Fig. 1.....		AR
			Attaching parts		RF
-33	A112-5E		Bolt, 1/4 in. UNF.....		1
-34	SP125-E		Washer.....		1
-35	A110-ES		Nut, slotted.....		1
-36	SP90-C5		Pin, split.....		1

Mainplanes
Aileron Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-37	BE-24-10037	.	Plate and hinge, port and stbd. str. 154, Fig. 1.....		RF
			Attaching parts		
-38	A112-5E		Bolt, 1/4 in. UNF.....		1
-39	SP125-E		Washer		1
-40	A110-ES		Nut, slotted.....		1
-41	SP90-C5		Pin, split.....		1
-42	BE-24-10037	.	Plate hinge, port and stbd. str. 178.70, Fig. 1.....		RF
			Attaching parts		
-43	A112-5E		Bolt, 1/4 in. UNF.....		1
-44	SP125-E		Washer		1
-45	A110-ES		Nut slotted.....		1
-46	SP90-C5		Pin, split.....		1
-47	BE-45-10043/7	.	Rod assy., aileron control (Chap. 19, Fig. 2).....		RF
			Attaching parts		
-48	A112-5E		Bolt, 1/4 in. UNF.....		1
R -49	A110-ES		Nut.....		1
-50	SO124-E		Washer		1
R -51	SP90-C8		Pin, split.....		1
-52	BE-45-10169/3		Washer, packing		4
-53	BE-24-10001/11	.	Bracket, actuating rod attachment, Fig. 1		RF
-54	BE-24-10001/12	.	Bracket, actuating rod attachment, Fig. 1		RF

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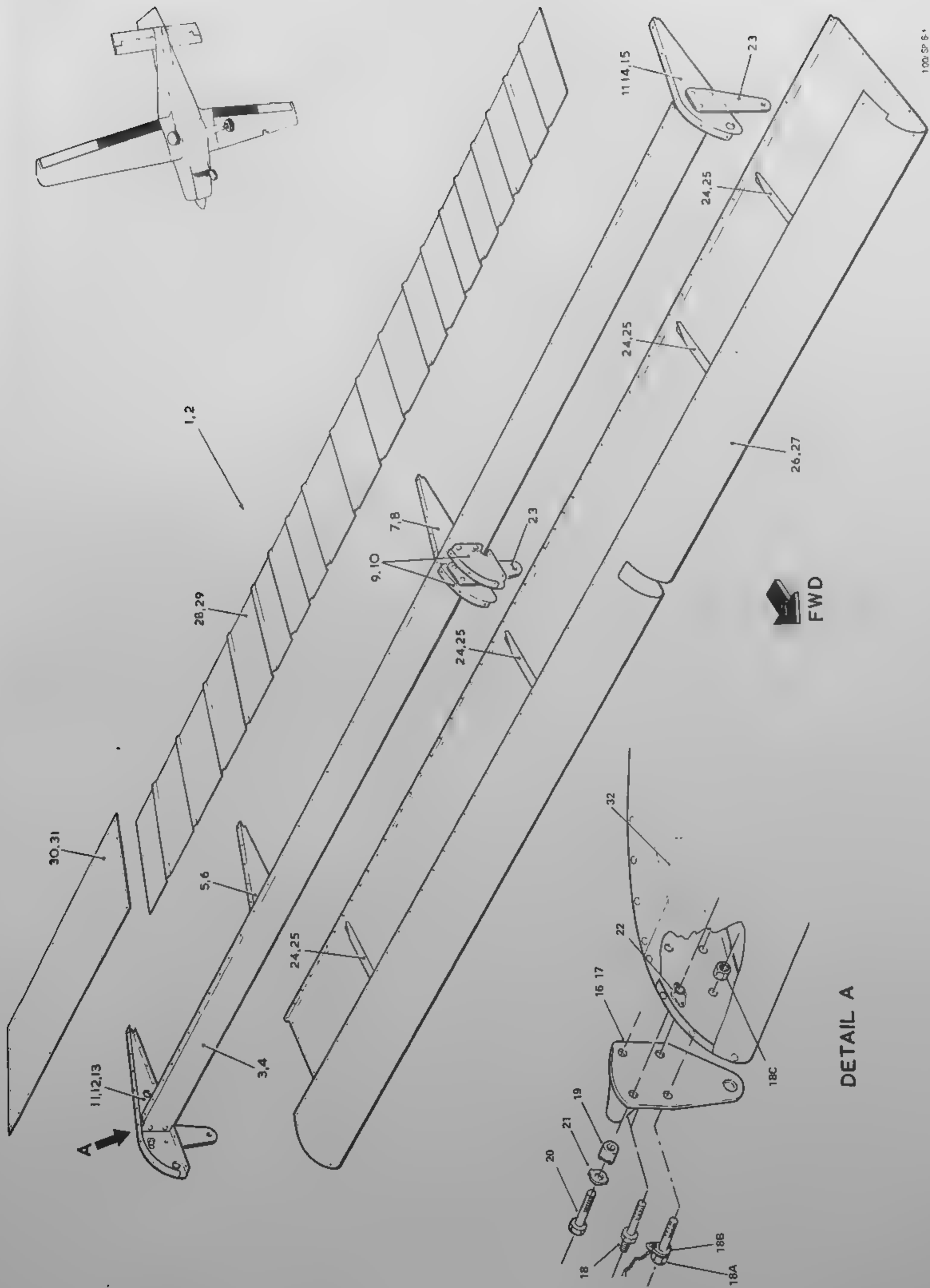


Fig. 3 Flap assembly

Mainplanes
Flap Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy
9-1	BE-25-10001		Flap, port, Chap. 16-1, Fig. 1		RF
-2	BE-25-10002		Flap, stbd., Chap. 16-1, Fig. 1		RF
-3	BE-25-10001/15		. Spar, main, port		1
-4	BE-25-10001/16		. Spar, main, stbd.		1
-5	BE-25-10001/11		. Rib, trailing, inner, port		1
-6	BE-25-10001/12		. Rib, trailing, inner, stbd.		1
-7	BE-25-10001/7		. Rib, trailing, outer, port		1
-8	BE-25-10001/8		. Rib, trailing, outer, stbd.		1
-9	BE-25-10001/5		. Rib, nose, centre, port		1
-10	BE-25-10001/6		. Rib, nose, centre, stbd.		1
-11	BE-25-10009		. Angle, end rib attachment, port and stbd. (use 26NS/6054364) ...		2
-12	BE-25-10001/1		. Rib, end, inboard, port		1
-13	BE-25-10001/2		. Rib, end, inboard, stbd.		1
-14	BE-25-10001/3		. Rib, end, outboard, port		1
-15	BE-25-10001/4		. Rib, end, outboard, stbd.		1
-16	BE-25-10011		. Fitting, hinge, inboard, port		1
-17	BE-25-10012		. Fitting, hinge, inboard, stbd.		1
-18	2101-0604		. Bolt, special - Jo bolt (Avdel)		2
-18A	A102-2D		. Bolt, port and stbd., 10-32 UNF		1
-18B	AS4561/2		. Tab, wire locking, port and stbd.		1
-18C	H10-3		. Nut (Kaylock)		1
-19	BE-25-10007		. Cam, port and stbd.		1
-20	BDS39/A102-7E		. Bolt, 1/4 in. UNF		1
-21	SP41-E		. Washer, tab		1
-22	MF1000-4		. Nut, anchor (Kaylock)		1
-23	BE-25-10005		. Plate, centre and outer, port and stbd.		2
-24	BE-25-10001/9		. Stiffener, lower skin, port		4
-25	BE-25-10001/10		. Stiffener, lower skin, stbd.		4
-26	BE-25-10001/20		. Skin, leading edge and lower, L72 x 26 SWG, port		1
-27	BE-25-10001/19		. Skin, leading edge and lower, L72 x 26 SWG, stbd.		1
-28	BE-25-10001/13		. Skin, top outer, L72 x 28 SWG, port		1
-29	BE-25-10001/14		. Skin, top outer, L72 x 28 SWG, stbd.		1
-30	BE-25-10001/17		. Skin, top inner, L72 x 20 SWG, port		1
-31	BE-25-10001/18		. Skin, top inner, L72 x 20 SWG, stbd. (Use 26NS/6054425)		1
-32	BE-00-10011		. Plate inspection date, port and stbd. (Use 26NS/6054576)		1

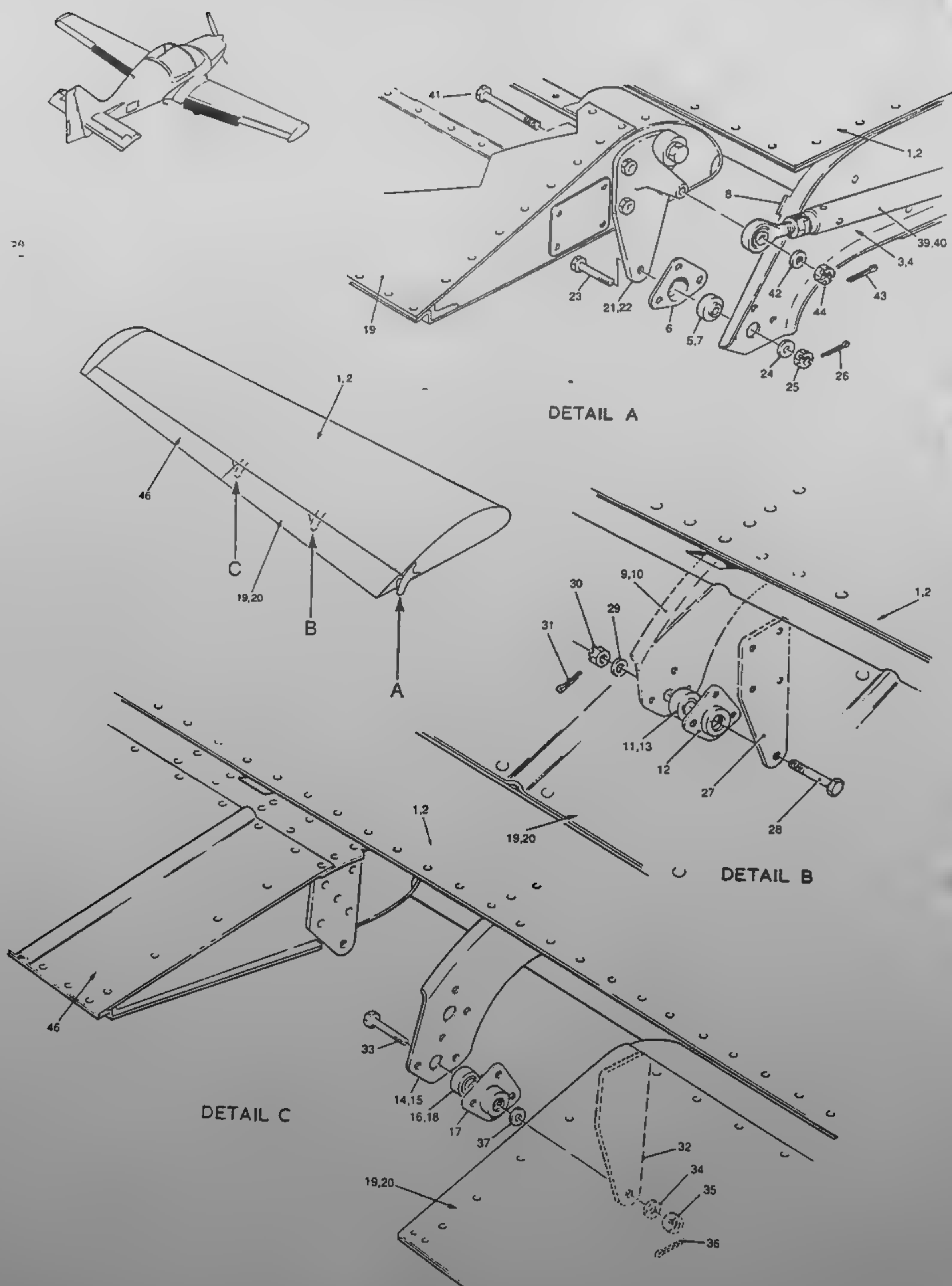


Fig. 4 Flap Installation

Mainplanes
Flap Installation

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
4-	BE-00-10013/14	Flap Installation.....		RF
-1	BH-00-429	Mainplane assy., port, Chap.16-1, Fig.1.....		RF
-2	BH-00-430	Mainplane assy., stbd, Chap.16-1 Fig.1.....		RF
-3	BH-20-073	. Rib assy, port stn 26.00, Chap.16-1 Fig.4.....		RF
-4	BH-20-074	. Rib assy., stbd. stn 26.00 Chap.16-1 Fig.4.....		RF
-5	BH-45-10133	. Bearing assy., flap hinge, inboard.....		1
		Alternative		
	BE-45-10029	. Bearing assy.....		1
-6	BE-45-10131	. . Housing.....		1
-7	SK400014	. . Bearing (SKF).....		1
		Alternative		
	CK 1/4C	. . Bearing (Ransome and Marles).....		1
	N3106	. . Bearing (Hoffmann).....		1
-8	BE-20-10095	. Plate, flap stop, port and stbd.....		1
-9	BH-20-581	. Rib assy., port stn. 73.0 Chap.16-1 Fig.4.....		RF
-10	BH-20-582	. Rib assy., stbd., stn 73.0 Chap.16-1 Fig.4.....		RF
-11	BE-45-10133	. Bearing assy., centre flap hinge.....		1
		Alternative		
	BE-45-10029	. Bearing assy.....		1
-12	BE-45-10131	. . Housing.....		1
-13	SK400014	. . Bearing (SKF).....		1
		Alternative		
	CK 1/4C	. . Bearing (Ransome and Marles).....		1
	N3106	. . Bearing (Hoffmann).....		1
-14	BH-20-589	. Rib assy, port stn. 108-23 Chap.16-1 Fig.4.....		RF
-15	BH-20-590	. Rib assy, stbd stn 108.23 Chap.16-1 Fig.4.....		RF
-16	BE-45-10133	. Bearing assy., flap stn. 108.23.....		1
		Alternative		
	BE-45-10029	. Bearing assy.....		1
-17	BE-45-10131	. . Housing.....		1
-18	SK400014	. . Bearing (SKF).....		1
		Alternative		
	CK 1/4C	. . Bearing (Ransome and Marles).....		1
	N3106	. . Bearing (Hoffmann).....		1
-19	BE-25-10001	Flap assy., port, Fig.3.....		RF
-20	BE-25-10002	Flap assy., stbd, Fig.3.....		RF
-21	BE-25-10011	Fitting hinge, port.....		RF
-22	BE-25-10012	Fitting hinge, stbd.....		RF
		Attaching parts		
-23	A112-6E	Bolt 1/4 in. UNF.....		1
-24	SP125-E	Washer.....		1
-25	A110-ES	Nut, slotted.....		1
-26	SP90-C5	Pin, split.....		1
-27	BE-25-10005	. Plate, hinge, centre port and stbd.....		RF
		Attaching parts		
-28	A112-6E	Bolt, 1/4 in. UNF.....		1

Mainplanes
Flap Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-29	SP125E		Washer.....		1
-30	A110-ES		Nut, slotted.....		1
-31	SP90-C5		Pin, split.....		1
-32	BE-25-10005		. Plate, hinge, outer port and stbd.....		RF
			Attaching parts		
-33	A112-7E		Bolt 1/4 in. UNF.....		1
-34	SP125E		Washer.....		1
-35	A110-ES		Nut, slotted.....		1
-36	SP90-C5		Pin, split.....		1
-37	SS301-1		Washer, shim.....		A/R
R -38	Deleted				
-39	BH-45-717		Rod, actuating, flap control Chap.19-1 Fig.3.....		RF
			Attaching parts		
-41	A102-18E		Bolt 1/4 in.....		1
-42	SP124-E		Washer.....		1
			Alternative		
	SP125-E		Washer.....		1
-43	SP90-C6		Pin, split.....		1
-44	A110-ES		Nut, slotted.....		1
-46	BE-24-10001/2		. Aileron assy., Fig.1.....		RF

Chapter 17

TAIL UNIT

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Tailplane, elevator and rudder installation	17 - 1
Tailplane structure	17 - 1
Elevator and tab	17 - 1
Rudder and tab	17 - 1
Deflector strakes and fairings	17 - 1

Chapter 17

TAIL UNIT

Section 1

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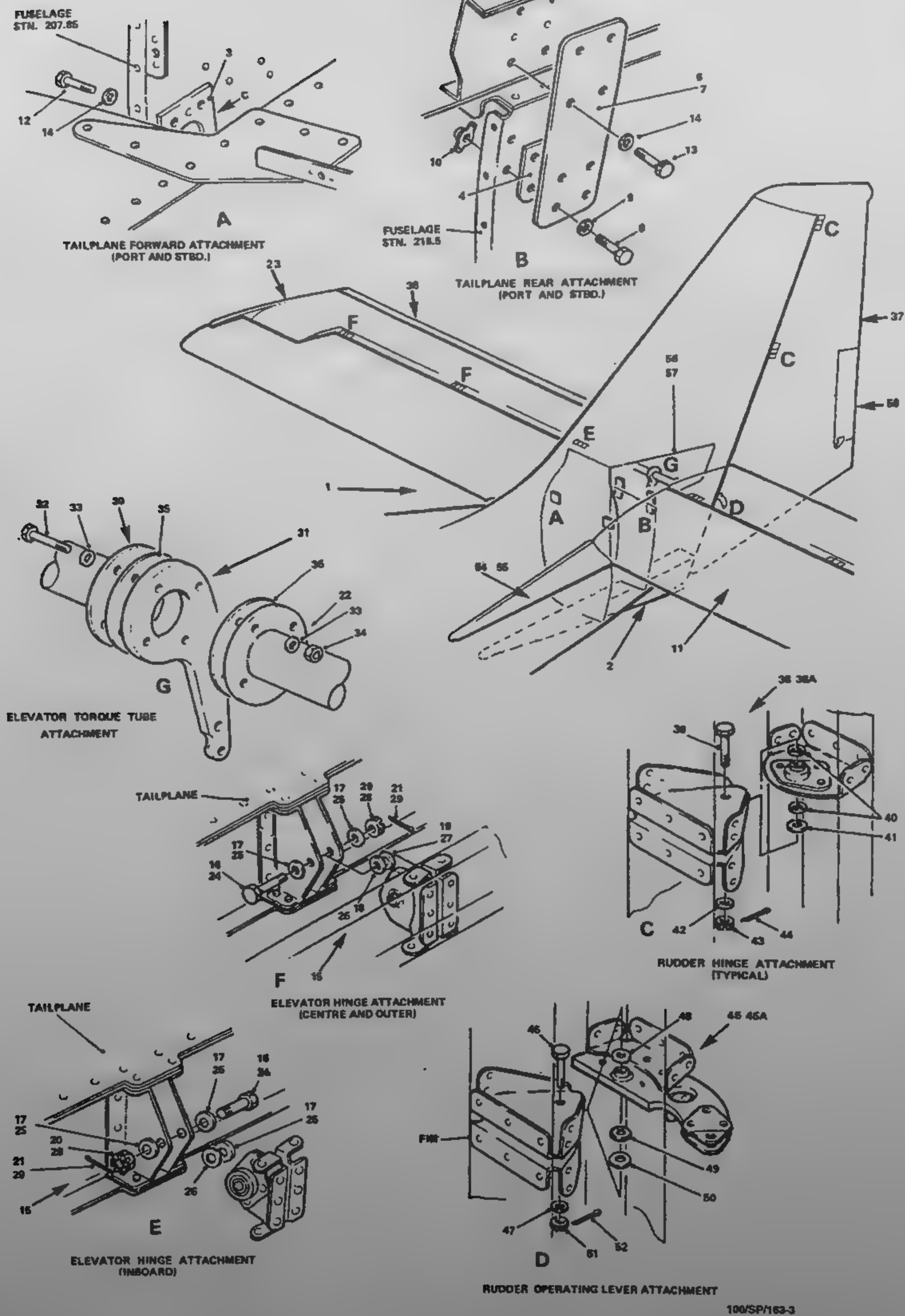
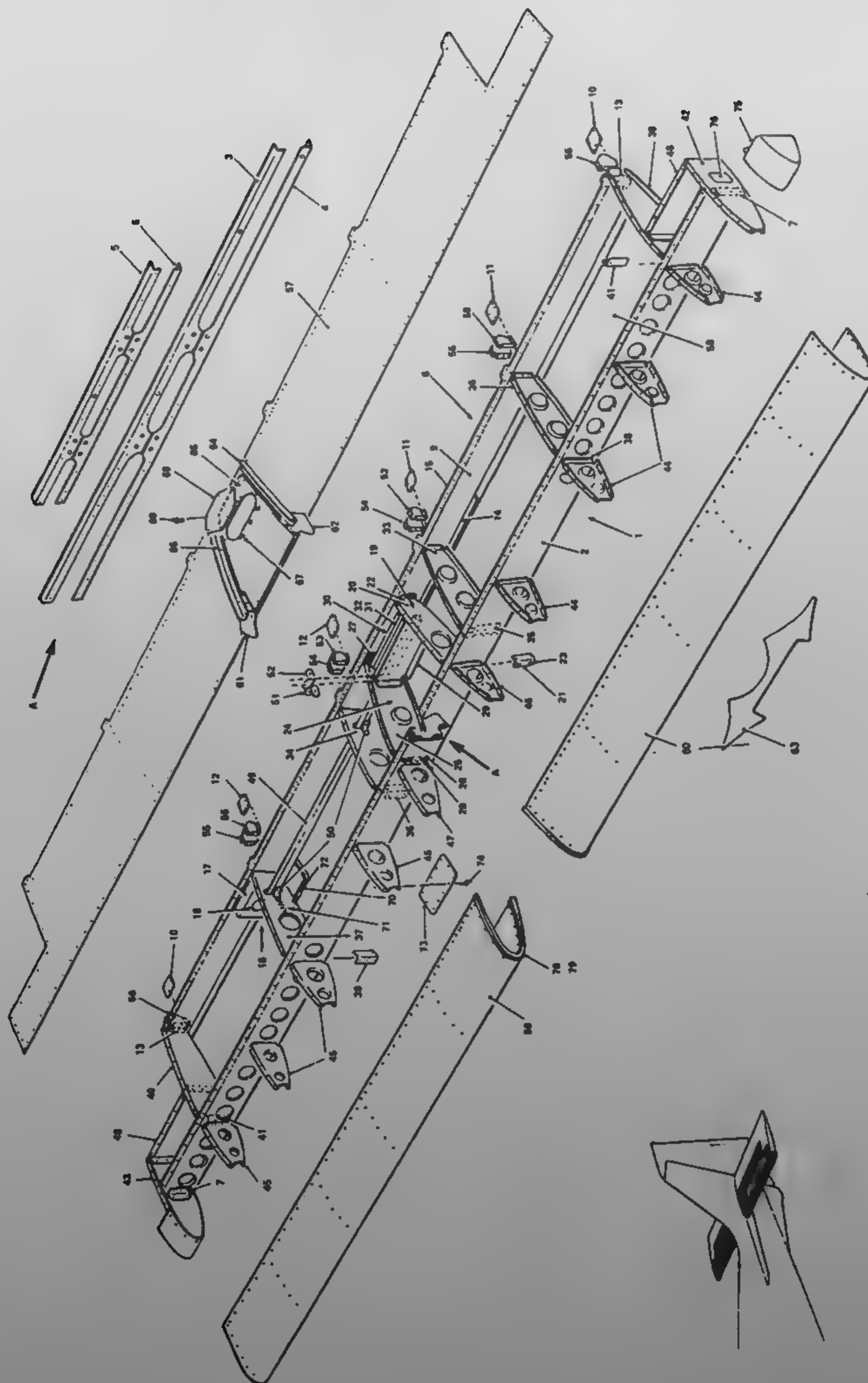


Fig. 1 Fin and rear fuselage
 ((Shim location corrected at insert G))

Tail Unit
Tailplane, Elevator and Rudder Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-			Tail unit installation.....		
-1	BH-10-003		. Fin and rear fuselage assy.....		RF
-2	BH-10-1561		. Tail bumper assy. (Chap. 15-5, Fig.5).....		RF
-3	BE-10-20023		. Block, packing (Chap. 15-5, Fig.4).....		RF
R -4	BH-10-3701		. Shim (Mod.162).....		1
-6	BE-10-20021		. Plate, attachment, port.....		1
-7	BE-10-20022		. Plate, attachment, stbd.....		1
-8	A112-2E		. Bolt, 1/4 in. UNF.....		8
-9	SP13-E		. Washer.....		8
-10	MK1000-4		. Nut, anchor (Kaylock).....		8
-11	BH-30-049		. Tailplane assy. (Fig. 2).....		RF
			Attaching parts		
-12	A111-3E		Bolt, forward attachment, 1/4 in. UNF.....		8
-13	A111-2E		Bolt, aft attachment, 1/4 in. UNF.....		8
-14	SP127-E		Washer.....		16
	BH-00-021		. Elevator to tailplane installation.....		RF
-15	BH-31-001		. Elevator assy., (Fig.3).....		RF
-16	A102-6E		. Bolt, 1/4 in. UNF.....		3
-17	SP125-E		. Washer, packing.....		A/R
-18	SP124-E		. Washer, packing.....		A/R
-19	SS301-1		. Shim, inboard hinge only.....		A/R
-20	A110-ES		. Nut, slotted.....		3
-21	SP90-CB		. Pin, split.....		3
-22	BE-31-10033		. Torque tube assy. (Fig. 3).....		RF
-23	BE-31-50003		. Elevator and trim tab assy., stbd. (Fig. 3).....		RF
			Attaching parts		
-24	A102-6E		Bolt, 1/4 in. UNF.....		3
-25	SP125-E		Washer, packing.....		A/R
-26	SP124-E		Washer, packing.....		A/R
-27	SS301-1		Shim, inboard hinge only.....		A/R
-28	A110-ES		Nut slotted.....		3
-29	SP90-C6		Pin, split.....		3
-30	BE-31-10034		. Torque tube assy. (Fig. 3).....		RF
-31	BH-31-019		. Lever assy., elevator operating (Mod. 115).....		1
-32	A112-3E		. Bolt, 1/4 in. UNF.....		4
-33	SP122-E		. Washer, packing.....		8
-34	H-10-4		. Nut (Kaylock).....		4
-35	BE-31-10095		. Shim, laminated.....		A/R
-36	BE-31-10003		. Trim tab assy., (Fig. 3).....		RF
-37	BH-33-133		. Rudder assy., (Fig. 4).....		RF
-38	BE-33-10009		. Bracket hinge assembly centre and upper (Fig. 4).....		RF
			(Pre-Mod. 189)		
-38A	BH-33-139		. Bracket hinge assembly centre and upper (Fig. 4) (Mod. 189).....		RF
-39	A112-6E		. Bolt 1/4. UNF.....		2
R -40	BH-10-3699		. Shim, laminated (Mod. 162).....		A/R
-41	SP125-E		. Washer, packing.....		2
-41	SP124-E		. Washer, packing.....		2
-43	A110-ES		. Nut, slotted.....		2
-44	SP90-C6		. Pin, split.....		2
-45	BH-33-123		. Lever assy., lower hinge (Fig. 4) (Pre-Mod. 189).....		RF
-45A	BH-33-135		. Lever assy., lower hinge (Fig. 4) (Mod. 189).....		RF
-46	A112-6E		. Bolt, 1/4 in. UNF.....		1
-47	SP124-E		. Washer.....		1
R -48	BH-10-3699		. Shim, laminated (Mod. 162).....		A/R
-49	SP126-E		. Washer (Mod. 189).....		A/R
-50	SP122-E		. Washer (Mod. 189).....		A/R
-51	A110-ES		. Nut, slotted.....		1
-52	SP90-C6		. Pin, split.....		1
-53	BH-33-033		. Trim tab assy., (Fig. 4).....		RF
-54	BH-10-1587		. Deflector strake assy., port (Fig. 5).....		RF
-55	BH-10-1588		. Deflector strake assy., stbd. (Fig. 5).....		RF
-56	BE-10-20017		. Fairing panel, port (Fig. 5).....		RF
-57	BE-10-20018		. Fairing panel, stbd. (Fig. 5).....		RF



100/SP/7/1

Tail Unit
Tailplane Structure

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
2-	BH-30-049P	Tailplane assy.....							1
-1	BH-30-003	. Spar assy, front.....							1
-2	BH-30-003/1	. . Channel spar, front.....							1
-3	BH-30-10027/3	. . Channel, top centre.....							1
-4	BH-30-003/7	. . Channel, bottom centre.....							1
-5	BE-30-10027/9	. . Channel, top rear.....							1
-6	BE-30-50007	. . Angle, lower reinforcing.....							1
-7	BE-30-10027/13	. . Cleat angled.....							2
-8	BH-30-021	. Spar assy, rear.....							1
-9	BH-30-021/1	. . Spar, rear.....							1
-10	BE-30-10033/5	. . Plate, port and stbd.....							2
-11	BE-30-10033/9	. . Plate, port.....							2
-12	BE-30-10033/11	. . Plate, stbd.....							2
-13	BE-30-10033/13	. . Angle, outer.....							2
-14	BH-30-021/2	. . Strap reinforcing, lower.....							1
-15	BH-30-021/3	. . Strap reinforcing, upper.....							1
-16	BE-30-10035	. . Plate assy, mounting.....							1
-17	BE-30-10035/1	. . . Plate, mounting.....							1
# -18	MF1000-3	. . Nut, anchor (Kaylock).....							3
-19	BH-30-041	. Rib assy, interspar, port inner.....							1
-20	BH-30-039	. . Rib, interspar.....							1
-21	BE-30-10047	. . Bracket support.....							1
-22	BE-30-10055	. . Bracket support.....							1
# -23	MF1000-4	. . Nut, anchor (Kaylock).....							8
-24	BH-30-042	. Rib assy, interspar, stbd, inner.....							1
-25	BH-30-040	. . Rib, interspar.....							1
-26	BE-30-10047	. . Bracket support.....							1
-27	BE-30-10055	. . Bracket support.....							1
# -28	MF1000-4	. . Nut anchor (Kaylock).....							8
-29	BE-30-10041	. Sparlet, forward.....							1
-30	BE-30-10043	. Sparlet, assy aft.....							1
-31	BE-30-10043/1	. . Sparlet.....							1
# -32	MK1000-4	. . Nut, anchor (Kaylock).....							2
-33	BE-30-10011	. Rib, interspar, port inner.....							1
-34	BE-30-10023	. Rib, interspar, stbd, inner.....							1
-35	BE-30-10077	. Angle, inner ribs attaching.....							2
-36	BE-30-10015	. Rib, interspar, port centre.....							1
-37	BE-30-10031	. Rib, interspar, stbd, centre.....							1
-38	BE-30-10075	. Angle, centre ribs attaching.....							2
-39	BE-30-10017	. Rib, interspar, port outer.....							1
-40	BE-30-10018	. Rib interspar, stbd outer.....							1
-41	BE-30-10078	. Angle outer ribs, attaching.....							2
-42	BE-30-10019	. Rib, outboard port.....							1
-43	BE-30-10020	. Rib, outboard stbd.....							1
-44	BE-30-10013	. Rib, nose, port.....							4

Item not illustrated

Tail Unit
Tailplane Structure

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-45	BE-30-10014	.	Rib,nose,stbd.....		4
-46	BE-30-10007	.	Rib,nose,port,inner.....		1
-47	BE-30-10008	.	Rib,nose,stbd. inner.....		1
-48	BE-30-10021	.	Member,closing.....		2
-49	BE-30-10051	.	Guard,chain,trim tab control.....		1
-50	BE-30-10053	.	Bracket,chain guard.....		4
-51	BE-30-10071	.	Bracket,chain guard.....		1
-52	BE-30-10073	.	Bracket,chain guard.....		1
-53	BH-30-023	.	Bracket,elevator hinge,stbd. inbd.inner, port inbd outer		2
-54	BH-30-024	.	Bracket,elevator hinge,port,inbd.inner.stbd.inbd.outer		2
-55	BE-30-10025	.	Bracket,elevator hinge,port outer,port centre inner,. stbd centre outer		3
-56	BE-30-10026	.	Bracket,elevator hinge,stbd.outer,stbd, centre inner. port centre outer		3
-57	BH-30-049/1	.	Skin upper.....		1
-58	BH-30-019/1	.	Skin,lower.....		1
-59	BE-30-10001/3	.	Skin,nose,stbd.....		1
-60	BE-30-10001/4	.	Skin,nose,port.....		1
-61	BE-30-10039	.	Doubler,front spar,stbd.....		1
-62	BE-30-10040	.	Doubler,front spar,port.....		1
-63	BH-30-005	.	Doubler,front spar,lower.....		1
-64	BE-30-10005	.	Angle attachment, port fairing panel.....		1
-65	BE-30-10006	.	Angle attachment, stbd, fairing panel.....		1
-66	BH-30-007	.	Frame, access door.....		1
-67	MF1000-3	.	Nut, anchor (Kaylock).....		6
-68	BE-30-10057	.	Door access.....		1
-69	A113-1D	.	Bolt, recessed head.....		8
-70	BE-30-10067	.	Angle,access panel, inner.....		1
-71	BE-30-10065	.	Angle,access panel, outer.....		1
-72	MF1000-08	.	Nut,anchor (Kaylock).....		12
-73	BE-30-10061	.	Panel,access.....		1
-74	A113-1C	.	Bolt,recessed head.....		12
-75	BH-30-043P	.	Fairing, tip.....		2
R -76	S778-2	.	Label (Mod & Serial No.).....		1
-78	BE-30-10001/17	.	Seal,rubber.....		1
-79	EC776	.	Adhesive (Ref No. 33H/2245032) (3M).....		A/R

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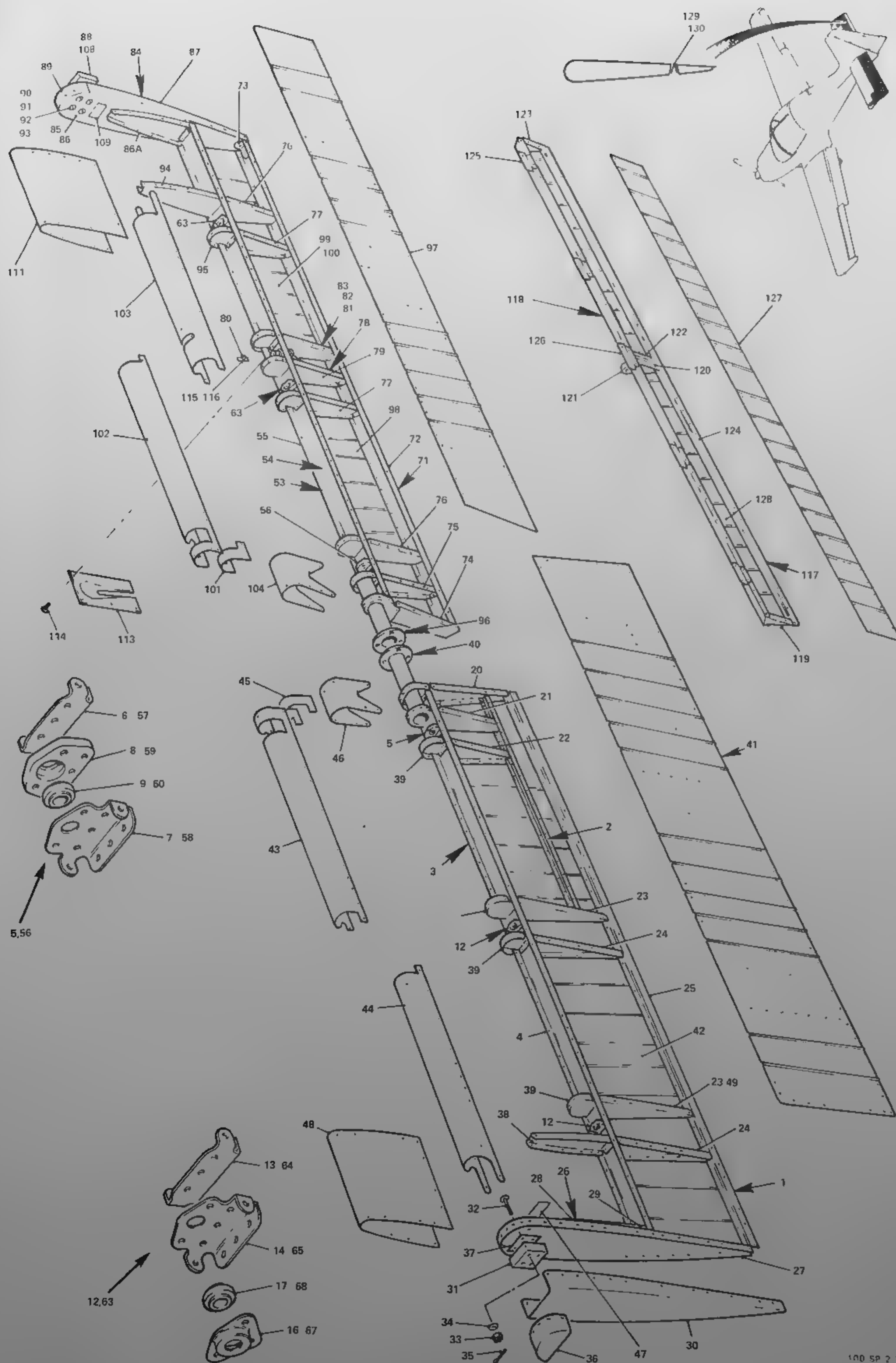


Fig. 3 Elevator and tab

Tail Unit
Elevator and Tab

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
3-1	BH-31-001P	Elevator assy, port.....		1
-2	BH-31-005	. Spar assy, aft		1
-3	BE-31-50005	. Spar assy, front		1
-4	BE-31-50005/1	. . Spar channel, front		1
-5	BE-31-10063	. . Hinge assy, inboard		1
-6	BE-31-10105	. . . Bracket hinge, inner.....		1
-7	BE-31-10057	. . . Bracket hinge, outer.....		1
-8	BE-31-10065	. . . Bearing, housing.....		1
-9	CK-1/4C	. . . Bearing (Ransome & Marles).....		1
		Alternatives		
	N3106	. . . Bearing (Hoffmann)		1
	SK400014	. . . Bearing (S. K. F.).....		1
-12	BE-31-10067	. . Hinge assy, centre and outboard		2
-13	BE-31-10049	. . . Bracket, hinge inner.....		1
-14	BE-31-10057	. . . Bracket, hinge, outer.....		1
-16	BE-45-10131	 Bearing, housing.....		1
-17	CK-1/4C	. . . Bearing (Ransome & Marles).....		1
		Alternatives		
	N3106	. . . Bearing (Hoffmann)		1
	SK400014	. . . Bearing (S. K. F.).....		1
-20	BE-31-10083	. Rib, inboard		1
-21	BE-31-10128	. Rib, interspar, second		1
-22	BE-31-10047	. Rib, interspar, third		1
-23	BE-31-10060	. Rib, trailing, fourth and sixth		2
-24	BE-31-10059	. Rib, trailing, fifth and seventh.....		2
-25	BE-31-10087	. Member, trailing edge		1
-26	BE-31-10147	. Tip, sub assy, elevator.....		1
-27	BE-31-10107	. . Rib, sub assy, tip		1
-28	BE-31-10107/1	. . . Rib, tip		1
-29	BE-31-10081	. . . Rib, nose		1
-30	BE-31-10017	. . Tip, outer		1
-31	BE-31-10117	. . Weight, balance		1
-32	A113-6D	. . Bolt, 10-32 UNF		4
-33	A103-DS	. . Nut, slotted		4
-34	SP122-D	. . Washer		4
-35	SP-90-C6	. . Pin, split.....		4
-36	BE-31-10121	. . Cover, balance weight		1
-37	BE-31-10101	. Packer, balance weight trim.....		AR
-38	BE-31-10081	. Rib, nose, horn balance		1
-39	BE-31-10055	. Rib, nose		4
-40	BE-31-10033	. Tube assy, torque		1
-41	BE-31-10043-1	. Skin, upper		1
-42	BE-31-10043-5	. Skin, lower.....		1
-43	BE-31-10021	. Skin, leading edge, inner		1
-44	BE-31-10129	. Skin, leading edge, outer		1
-45	BE-31-10141	. Skin, leading edge, str. 9.5, inboard		1
-46	BE-31-10137	. Doubler		1
-47	BE-00-10011	. Plate, data mod. serial (Use 26NS/6054576).....		1
-48	BE-31-10023	. Skin, horn balance		1
R -53	BE-31-023/P	Elevator assy, stbd. (Mod 242)		1
-54	BE-31-50007	. Spar assy, front		1
-55	BE-31-50007/1	. . Spar channel, front		1
-56	BE-31-10063	. . Hinge assy, inboard		1
-57	BE-31-10105	. . . Bracket, hinge inner.....		1
-58	BE-31-10057	. . . Bracket, hinge outer.....		1
-59	BE-31-10065	. . . Bearing, housing.....		1
-60	CK-1/4C	. . . Bearing (Ransome & Marles).....		1
		Alternatives		
	N3106	. . . Bearing (Hoffmann)		1
	SK400014	. . . Bearing (S. K. F.).....		1
-63	BE-31-10067	. . Hinge assy, centre and outboard		2
-64	BE-31-10049	. . . Bracket, hinge inner.....		1

Tail Unit
Elevator and Tab

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-65	BE-31-10057	. . .	Bracket, hinge, outer		1
-67	BE-49-10131	. . .	Bearing, housing		1
-68	CK-1/4C	. . .	Bearing (Ransome & Marles)		1
			Alternatives		1
	N3106	. . .	Bearing (Hoffmann)		1
	SK400014	. . .	Bearing (S. K. F.)		1
-71	BE-31-10097	. . .	Spar assy, rear		1
-72	BE-31-10097/1	. . .	Spar rear		1
-73	BE-31-10097/3	. . .	Bracket, attachment		1
-74	BE-31-10085	. . .	Rib, inboard		1
-75	BE-31-10127	. . .	Rib, interspar, second		2
-76	BE-31-10048	. . .	Rib, interspar, third and eighth		2
-77	BE-31-10047	. . .	Rib, interspar, fourth and seventh		1
-78	BE-31-10131	. . .	Rib, assy, tab drive, fifth		1
-79	BE-31-10047	. . .	Rib, tab drive		2
-80	MF1000-08	. . .	Nut, anchor (Kaylock)		1
-81	BE-31-10132	. . .	Rib assy, tab drive, sixth		1
-82	BE-31-10048	. . .	Rib, tab drive		2
-83	MF1000-08	. . .	Nut, anchor (Kaylock)		1
-84	BE-31-	. . .	Tab, sub assy, elevator		1
-85	BE-31-	. . .	Rib, sub assy, tip		1
-86	BE-31-	. . .	Tip, rib		1
-86A	BE-31-	. . .	Rib, nose		1
-87	BE-31-	. . .	Tip, outer		1
-88	BE-31-	. . .	Weight, balance		1
-89	BE-31-	. . .	Cover, balance weight		4
-90	A113-9D	. . .	Bolt, 10/32 UNF		4
-91	A103-DS	. . .	Nut		4
-92	SP122-D	. . .	Washer		4
-93	SP90-C6	. . .	Pin, split		1
-94	BE-31-10081	. . .	Rib, nose horn balance		5
-95	BE-31-10055	. . .	Rib, nose		1
-96	BE-31-10034	. . .	Tube assy, torque		1
-97	BE-31-10045/1	. . .	Skin, upper		1
-98	BE-31-10045/3	. . .	Skin, lower inboard		1
-99	BE-31-10045/7	. . .	Skin, lower outboard		1
-100	BE-31-10093	. . .	Plate, backing, trim tab jack		1
-101	BE-31-10142	. . .	Skin, leading edge, str. 9.5 inboard		1
-102	BE-31-10022	. . .	Skin, leading edge, inner		1
-103	BE-31-017	. . .	Skin, leading edge, outer		1
-104	BE-31-10138	. . .	Doubler, inboard		1
-108	BE-31-10101	. . .	Packer, balance weight trim		A/R
-109	BE-00-10011	. . .	Plate, data, serial mod. (Use 26NS6054576)		1
-111	BE-31-10023	. . .	Skin, horn balance		1
R -113	BH-31-021	. . .	Shroud, trim, tab drive (Mod. 242)		1
-114	A113-2C	. . .	Bolt, 8/32 UNC		6
-115	MK4000-08	. . .	Nut, anchor (Kaylock)		4
-116	MF1000-08	. . .	Nut, anchor (Kaylock)		2
-117	BE-31-10003P	. . .	Tab assy, trim		1
-118	BE-31-10009	. . .	Spar, main		1
-119	BE-31-10013	. . .	Rib, inner		1

Tail Unit
Elevator and Tab

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-120	BE-31-10015	.	Rib, second.....		1
-121	BE-31-10111	.	Bracket, operating.....		1
-122	BE-31-10016	.	Rib, third.....		1
-123	BE-31-10125	.	Rib, outer.....		1
-124	BE-31-10139	.	Member, trailing edge.....		1
-125	BE-31-10003/9	.	Hinge, inner and outer (AS1879/25, 2.5 in. long).....		4
-126	BE-31-10003/7	.	Hinge, inner and outer (AS1879/35, 3.8 in. long).....		1
-127	BE-31-10003/1	.	Skin, upper.....		1
-128	BE-31-10003/5	.	Skin, lower.....		1
-129		.	Tape, serrated linen 62ins. x 2in.....		1
-130	F.1	.	Adhesive, Titanine D.T.D. 900/4479.....		A/R
			Alternatives		
R	EC2210	.	Adhesive.....		A/R
R	EC1300L	.	Adhesive.....		A/R

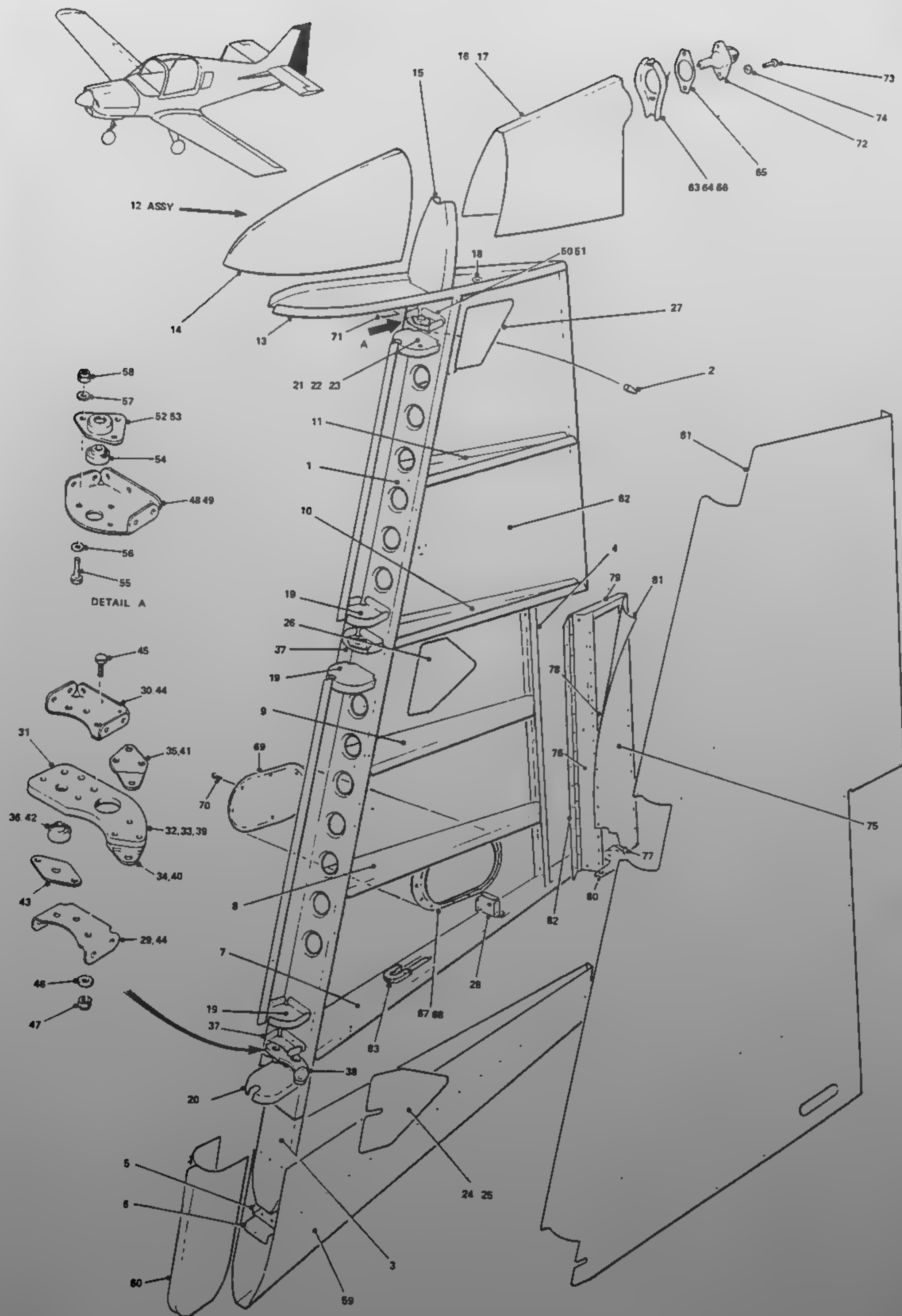


Fig. 4 Rudder and Tab

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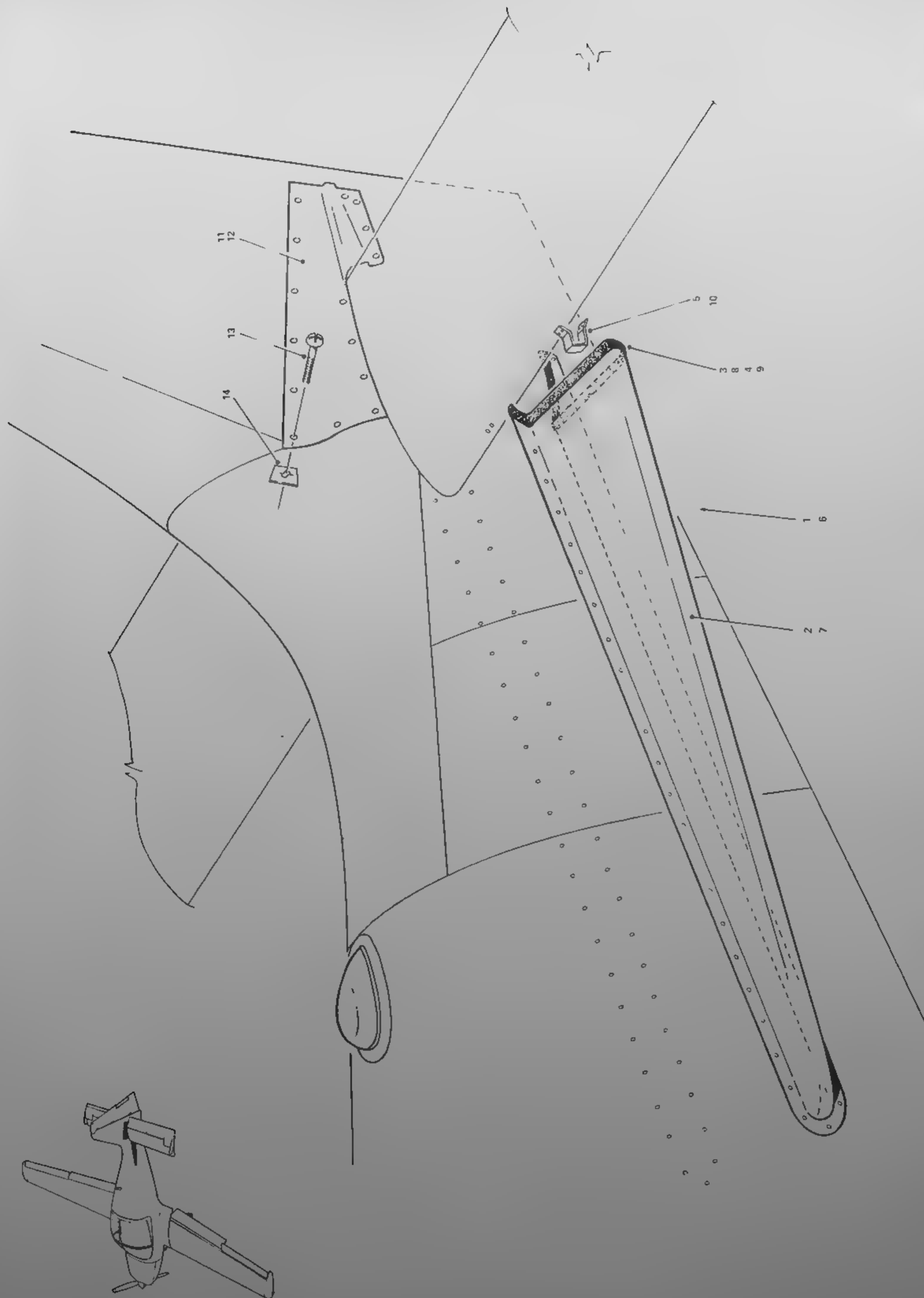
Tail Unit
Rudder and Tab

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
4-	BH-33-133P	Rudder assy, including tab assy.		1
-1	BH-33-015	. Spar, mount		1
-2	HV2471	. Grommet, tailed (Helvin)		1
-3	BH-33-063	. Extension, spar		1
-4	BH-33-043	. Spar, rear		1
-5	BH-33-065	. Rib, lower		1
-6	BH-33-067	. Cleat, attaching, lower rib		1
-7	BH-33-081	. Rib, second		1
-8	BH-33-095	. Rib, interspar, third		1
-9	BH-33-097	. Rib, interspar, fourth		1
-10	BE-33-20001/9	. Rib, fifth		1
-11	BE-33-20001/11	. Rib, sixth		1
-12	BH-33-099	. Tip assy., fairing		1
-13	BH-33-105	. Rib, tip		1
-14	BH-33-121	. Fairing, rudder tip		1
-15	BH-33-107	. Diaphragm, rudder tip		1
-16	BH-33-101	. Fairing, tip, aft, port		1
-17	BH-33-102	. Fairing, tip, aft, starboard		1
-18	SP93-A24	. Grommet		1
-19	BE-33-10013	. Rib, nose, lower, second and fourth		3
-20	BH-33-069	. Rib, nose, third		1
-21	BH-33-093	. Rib assy., nose, fifth		1
-22	BE-33-10013	. Rib, nose, detail		1
-23	MK1000-3	. Nut, anchor (Kaylock)		1
-24	BH-33-029	. Plate, gusset, lower, port		1
-25	BH-33-055	. Plate, gusset, lower, starboard		1
-26	BE-33-10031	. Plate, gusset, centre		2
-27	BE-33-10053	. Plate, gusset, top		2
-28	BH-33-007	. Bracket, mounting		1
R -29	BH-33-127	. Bracket, lower hinge, bottom (Pre-Mod. 189)		1
R -39	BH-33-129	. Bracket, lower hinge, top (Pre-Mod. 189)		1
R -31	BH-33-131	. Installation of rudder, lever assy. (Pre Mod. 189)		RF
R -32	BH-33-123	. Lever assy., rudder operating		1
R -33	BH-33-125	. . . Lever		1
R -34	BH-33-087	. . . Plate, fork		1
R -35	BH-33-089	. . . Plate, fork		1
R -36	CS1-1	. . . Bearing (RHP Bearings Ltd.)		1
R	CK-1/4C	. . . Bearing (Ransome and Marle) Alternatives		1
R	SA400014	. . . Bearing (SKF) Alternatives		1
R -37	BH-33-143	. Mounting assy., lower hinge (Mod. 189)		1
R -38	BH-33-135	. Lever assy., rudder operating (Mod. 189)		1
R -39	BH-33-135/1	. . . Lever		1
R -40	BH-33-087	. . . Plate, fork		1
R -41	BH-33-089	. . . Plate, fork		1
R -42	CS1-1	. . . Bearing (RHP Bearings Ltd.)		1
R -43	BH-33-141	. . . Plate, retaining		1
R -44	BH-33-137	. Bracket		2
R -45	A111-4D	. Bolt (close tal.)		3
R -46	SP125-D	. Washer		3
R -47	H10-3	. Nut, stiff		3
R -48	BE-33-10009	. Bracket, centre and upper hinge (Pre-Mod. 189)		2
R -49	BH-33-139	. Bracket, centre and upper hinge (Mod. 189)		2
R -50	BE-45-10133	. Bearing assy., centre and upper hinge (Pre-Mod. 189)		2
R -51	BH-45-1103	. Bearing assy., centre and upper hinge (Mod. 189)		2
R -52	BE-45-10131	. Housing, bearing (Pre-Mod. 189)		2

Tail Unit
Rudder and Tab

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
R 4-53	BH-45-1105	.	Housing, bearing (Mod. 189)		2
R -54	CS1-1	.	Bearing (RHP Bearings Ltd.)		2
R	CK1/4-C	.	Bearing (Ransome and Marle) Alternatives		2
R	SK400014	.	Bearing (SKF) Alternatives		2
R -55	A102-1C	.	Bolt 8-32 UNC (Mod. 189)		6
R -56	SP124-C	.	Washer (Mod. 189)		6
R -57	SP126-C	.	Washer (Mod. 189)		6
R -58	H10-08	.	Nut, stiff (Kaylock) (Mod. 189)		6
R -59	BH-33-077	.	Skin, lower		1
R -60	BH-33-049	.	Skin, lower, nose		1
R -61	BH-33-117	.	Skin, port		1
R -62	BH-33-118	.	Skin, starboard		1
R -63	BE-33-10037	.	Support assy., tail navigation light		1
R -64	BE-33-10037/1	.	Diaphragm, support		1
R -65	BE-33-10037/3	.	Plate, attachment		1
R -66	MF1000-06	.	Nut, anchor (Shurlock)		2
R -67	BH-33-051	.	Ring, reinforcing		1
R -68	SL211-08-1	.	Nut, clip (Shurlock)		8
R -69	BH-33-053	.	Panel, access		1
R -70	A113-1C	.	Bolt 8-32 UNC		8
R -71	BE-00-10011	.	Plate, data, serial, mod.		1
R	BH-00-075	.	Plate, data, serial, mod. (Alternative)		1
R -72	A2064-24	.	Light navigation, tail (Chap. 56—1 Figs. 1)		RF
R -73	A116-1B	.	Bolt 6-32 UNC		2
R -74	SP122-B	.	Washer		2
R -76	BH-33-033P	.	Tab assy., trim		1
R -76	BH-33-041	.	Spar, front		1
R -77	BH-33-039	.	Rib, trailing, inner		1
R -78	BH-33-037	.	Rib, trailing, centre		1
R -79	BH-33-035	.	Rib, trailing, outer	-	1
R -80	BH-33-005	.	Bracket, control		1
R -81	BH-33-045	.	Skin		1
R -82	BH-33-047	.	Hinge (make from AS1879, 28H/16453)		1
R -83	G51-PA	.	Grommet, 'Flexiform' (Hellermann)		A/R

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Fig. 5 Deflector strakes and fairings

Tail Unit
Deflector Strakes and Fairings

Fig. & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy.
5-	—							Deflector strakes and fairing panels		RF
-1	BH-10-1587							. Deflector assy, port		1
-2	BH-10-1591							. . Strake, deflector		1
-3	728							. . Seal, rubber (Baines Rubber Ltd.)		A/R
-4	EC776							. . Adhesive (3M) (Ref. No. 33H/2245038)		A/R
-5	BH-10-1589							. . Bracket		1
-6	BH-10-1588							. Deflector assy, stbd.		1
-7	BH-10-1592							. . Strake, deflector		1
-8	728							. . Seal, rubber (Baines Rubber Ltd.)		A/R
-9	EC776							. . Adhesive (3M) (Ref. No. 33H/2245038)		A/R
-10	BH-10-1589							. . Bracket		1
-11	BE-10-20017							. Panel, fairing		1
-12	BE-10-20018							. Panel fairing		1
-13	A113-1/2C							. Bolt, msh hd, 8-32 UNC		32
-14	SL211-08							. Nut, clip (Shurlock)		32

Chapter 19
FLYING CONTROLS

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Chapter 19

FLYING CONTROLS

Section 1

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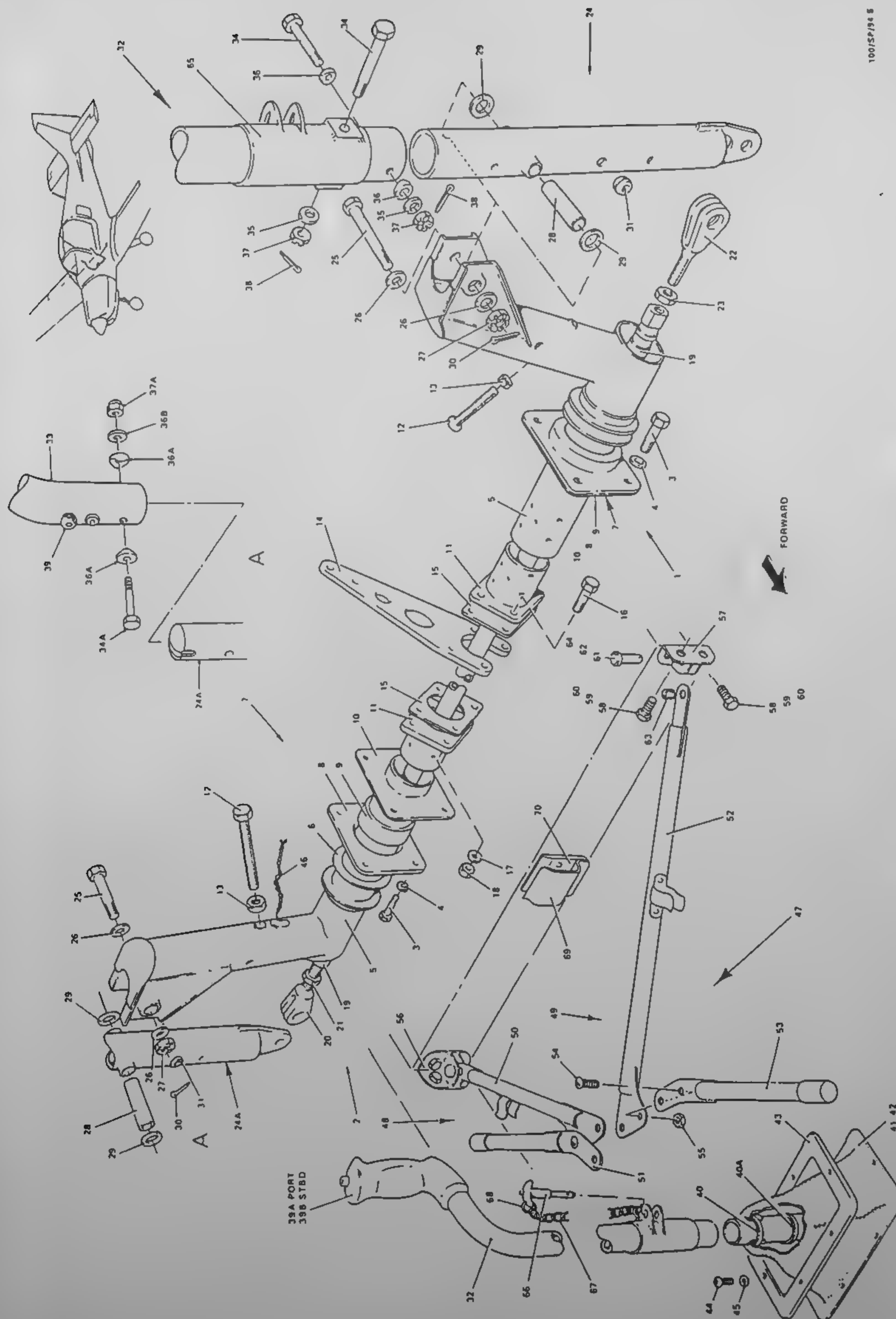


Fig. 1 Control column

Flying Controls
Control Column

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-	BH-45-019		Installation of control column and torque tube.....		RF
-1	BE-45-50013		. Tube, torque, end fitting, port.....		1
-2	BE-45-50014		. Tube, torque, end fitting, stbd.		1
			Attaching parts		
-3	A102-2D		Bolt, 10-32 UNF		4
-4	SP124-D		Washer		1
-5	BE-45-50015		. . Tube and end fitting, port and stbd		1
-6	BE-45-10317		. . Washer thrust, port and stbd		1
-7	BE-45-10315		. . Bearing assy., port and stbd		1
-8	BE-45-10311		. . . Housing		1
-9	BE-45-10309/3		. . . Bearing		1
-10	BE-45-10339		. . Plate, retaining, port and stbd		1
-11	BE-45-50019		. . Collar attachment (riveted), port and stbd		1
-12	BE-45-10083		. . Bolt, aileron stop, port and stbd		1
-13	A103-DP		. . Nut, locking, port and stbd.....		1
-14	BH-45-225		. Lever, elevator		1
-15	BE-45-10087		. Washer, shim.....		4
			Attaching parts		
-16	A112-7E		Bolt, 1/4 in. UNF.....		4
-17	SP126-E		Washer		4
-18	H10-4		Nut (Kaylock)		4
-19	BE-45-10095		. Rod assy., aileron linkage		1
-20	BE-45-10097/3		. . End fitting, fork R/H		1
-21	NAS-509-4		. . Nut, thin		1
-22	BE-45-10097/1		. . End fitting, fork L/H		1
-23	NAS-509-L4		. . Nut, thin		1
-24	BE-45-50017		. Column assy., lower control, port (Pre-Mod. 265)		1
-24A	BH-45-769		. Column assy., lower control, stbd (Mod. 265)		1
	BH-45-1147		. Column assy., lower control, stbd		1
			Attaching parts		
-25	A112-17G		Bolt, 5/16 in. UNF.....		1
-26	SP122G		Washer		2
-27	A110-GS		Nut, shear		1
-28	BH-45-131		Bearing, tube		1
-29	SP126-L		Washer, spacer		2
-30	SP90-C10		Pin, split		1
-31	SP93-B8		. . Grommet		1
-32	BH-45-127		. Column assy., upper control port		1
-33	BH-49-925		. Column assy., upper control, detachable, stbd (Pre-Mod. 265)		1
	BH-45-1145		. Column assy., upper control, detachable, stbd (Mod. 265)		1
			Attaching parts		
-34	A102-12D		Bolt, 10-32 UNF, port		2
-34A	A112-13E		Bolt, 1/4 in. UNF, stbd (Pre-Mod. 265)		1
	A112-14E		Bolt, 1/4 in. UNF, stbd (Mod. 265)		1
-35	SP124-D		Washer, port		2
-36	AS1903-C9		Washer, saddle, port		2
-36A	AS1903-E10		Washer, saddle, stbd		2
-36B	SP13-E		Washer, stbd		1
-37	A103-DS		Nut, slotted, port		2
-37A	A125-E66		Nut, stiff, stbd		1
-38	SP90-C10		Pin, split, port		2
-39	SP93-A8		. . Grommet, stbd only		1
-39A	BE-45-10283		. . Handgrip, port		1
-39B	BH-45-927		. . Handgrip, stbd. (Similar to BE-45-10283)		1
-40	TY25M		. Tywrap		2
-40A	TY25M		. Tywrap (BH-82-789A Securing)		1
-41	BH-45-287		. Cover assy., control column, port		1
R -41A#	TYB23M		. . Tywrap		1
-42	BH-45-823		. Cover assy., control column, stbd		1
R -42A#	TYB23M		. . Tywrap		1
-43	BH-45-133		. Plate, cover, floor attachment		1
			Attaching parts		
-44	A113-1/2D		Bolt, 10-32 UNF.....		1

Item Not Illustrated

Flying Controls
Control Column

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-45	AGS2035-C		Washer, shakeproof		6
			Alternative		6
	SP140-D		Washer, crinkle		A/R
-46	DTD189		. Wire locking, DTD 189 x 22SWG (30A/9437135)		1
-47	BH-10-2913		. Lock assy., control column, ground, port		1
-48	BH-45-945		. Strut assy., inboard		1
-49	BH-45-933		. Strut assy., outboard		1
-50	BH-45-947		. . Strut, inboard		1
-51	BH-45-949		. . Strut, inboard		1
-52	BH-45-963		. . Strut, outboard		1
-53	BH-45-969		. . Strut, outboard		1
-54	A113-2D		. . Bolt, mush. hd.		1
-55	H10-3		. . Nut (Kaylock)		1
-56	BH-10-1893		. Anchorage, inboard		1
-57	BH-10-1885		. Anchorage, outboard		1
			Attaching parts		
-58	A102-1D		Bolt, 8-32 UNC		4
-59	SP126-C		Washer		4
-60	H10-8		Nut (Kaylock)		4
-61	BS5 SPZB8		. Pin Clevis		1
-62	SP126-D		. Washer		1
-63	BH-10-2443		. Piece, distance, rubber		1
-64	BS-SP9-B4		. Pin, split		1
-65	BH-45-935		. Sleeve assy.,		1
-66	BH-10-2445/3		. Pin, pip		1
-67	BH-10-3441		. Chain (Mod. 26)		2
-68	BE-57-20157		. Ring, split		1
-69	BH-10-1901		. Clip, stowage		1
-70	BH-10-1903		. Packing		1

Flying Controls
Aileron Control Circuit

Fig & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per assy.
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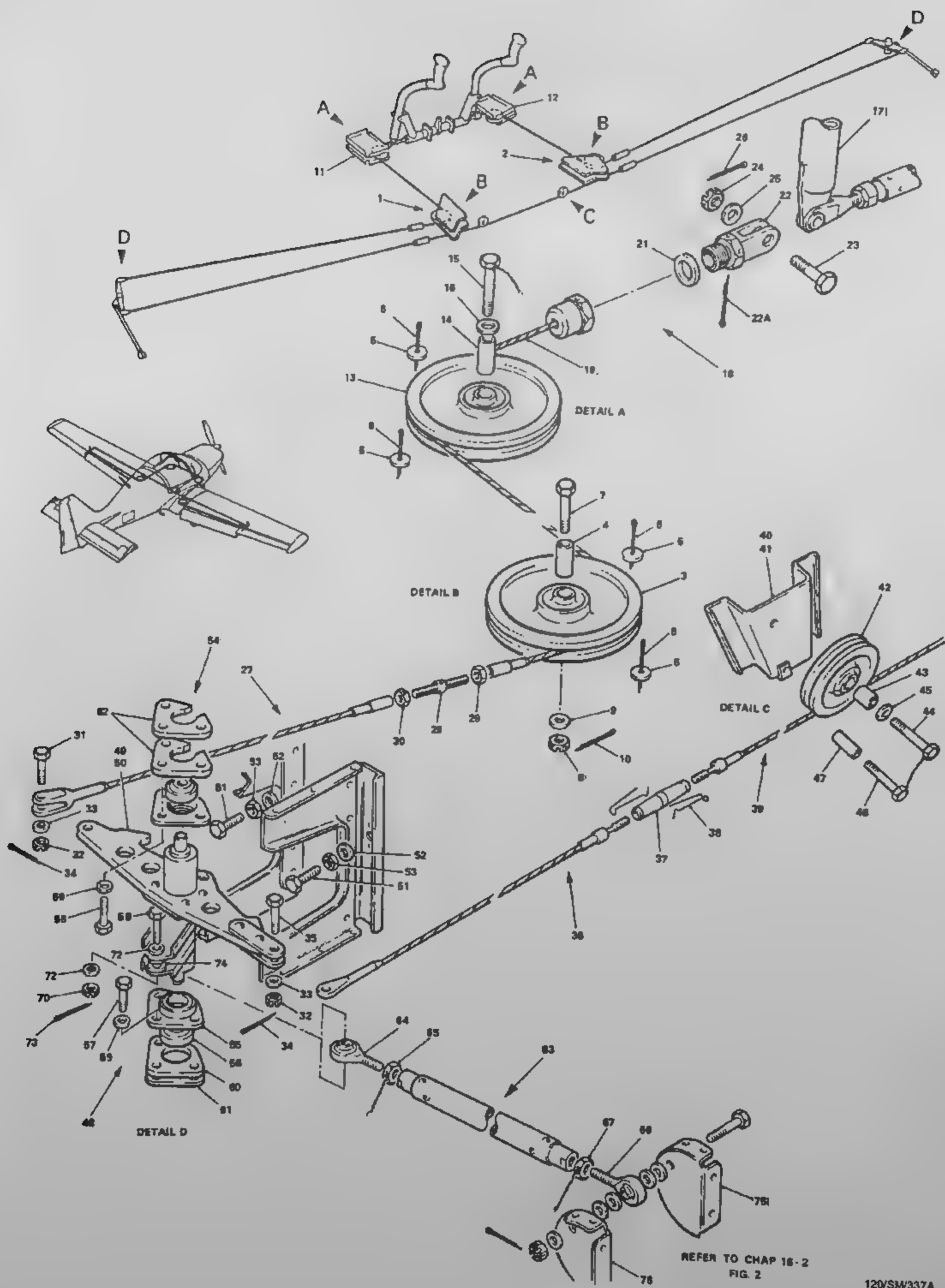


Fig.2 Alleron Control Circuit

Flying Controls
Aileron Control Circuit

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
2	BH-45-007		Installation aileron control circuit, port and stbd.....		RF
-1	BH-10-319		. Bracket assembly pulley, port (Chap.15-3, Fig. 3)		RF
-2	BH-10-320		. Bracket assembly pulley, stbd (Chap.15-3, Fig. 3).....		RF
-3	AS-105		. Pulley, 4in. diameter		2
-4	BE-45-10015/7		. Bush, pulley.....		2
-5	SP58B		. Rivet, burr.....		4
-6	SP90-E12		. Pin, split, 3/32 in. diameter.....		4
-7	A102-9E		. Bolt, 1/4 in. UNF		2
-8	A103-ES		. Nut, slotted		2
-9	SP125-E		. Washer.....		2
-10	SP90-C8		. Pin, split		2
-11	BH-10-3103		. Bracket assembly, pulley, port (Chap. 15-3, Fig. 1)		RF
-12	BH-10-3104		. Bracket assembly, pulley, stbd. (Chap. 15-3, Fig. 1).....		RF
-13	AS-105		. Pulley, 4 in. diameter		2
-14	BE-45-10015/7		. Bush, pulley.....		2
-15	BH-45-988		. Bolt, 1/4 in. UNF		2
-16	SP126-E		. Washer.....		2
-17	BH-45-019		. Control column (Fig. 1).....		RF
-18	BH-45-1023		. Cable assembly, port and stbd. (Mod.51)		1
-19	BH-45-1025		. . Cable, sub assembly.....		1
-21	BE-45-10085/5		. . Washer, split shim.....		1
-22	BE-45-10085/1		. . End, fork.....		1
-22A	SP90-C12		. . Pin, split		1
-23	A112-6G		. Bolt, 5/16 in. UNF		2
-24	A110-GS		. Nut, slotted		2
-25	SP124-G		. Washer.....		2
-26	SP90-C10		. Pin, split		2
-27	BE-45-10109/3		. Cable assembly		2
-28	SP103-D		. . Rod, tension 10-32 UNF		2
-29	A103-DTL		. . Nut, thin, locking		2
-30	A103-DT		. . Nut, thin, locking		2
-31	A111-4D		. Bolt, 10-32 UNF		2
-32	A103-DS		. Nut, slotted		4
-33	SP125-D		. Washer.....		4
-34	SP90-C8		. Pin, split		4
-35	A111-3D		. Bolt, 10-32 UNF		2
-36	BE-45-10105/7		. Cable assembly		2
-37	MS21251-5L		. . Turnbarrel, 1/4 in. UNF (Joseph Long Ltd.)		2
-38	MS21256-2		. Clip, locking (Joseph Long Ltd.).....		2
-39	BE-45-10107/3		. Cable assembly		1
-40	BH-10-989		. Bracket assembly, pulley, port (Chap.15-2, Fig. 6)		RF
-41	BH-10-990		. Bracket assembly, pulley, stbd. (Chap. 15-2, Fig. 6).....		RF
-42	AS-103		. Pulley, 2 in. diameter		2
-43	BE-45-10015/1		. Bush, pulley.....		2
-44	BDS39-A102-4D		. Bolt, hex. HD. 10-32 UNF		2
-45	BH-45-829		. Washer, special		2
-46	BDS39-A102-4C		. Bolt, 8-32 UNF.....		2
-47	AS2810-4-05		. Tube, distance		2
-48	BE-20-10009/10		Aileron control assembly in wing str. 110.98, port and stbd		RF
-49	BE-45-10035		. Lever assembly, port.....		1
-50	BE-45-10036		. Lever assembly, stbd		1
-51	BE-20-10025		. Bolt, aileron stop 10-32 UNF		2
-52	SP126-D		. Washer.....		2
-53	A103-DT		. Nut, lock		2

Flying Controls
Aileron Control Circuit

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
2-54	BE-45-10021/3	.	Bearing Assembly, upper and lower		2
-55	BE-45-10019/1	..	Housing.....		2
-56	SK400015	..	Bearing (S.K.F.)		2
			Alternatives		
	CK3/8 C	..	Bearing (Ransome, Hoffman, Pollard Ltd).....		2
	N3108	..	Bearing. (Hoffmann Man. Co. Ltd)		2
-57	A102-1D	..	Bolt, (lower) 10-32 UNF		3
-58	A102-5D	..	Bolt, (upper) 10-32.....		3
-59	SP125-D	..	Washer		6
-60	BE-20-10023	..	Spacer) Use either.....		1
-61	BE-20-10273	..	Spacer) or both		1
-62	BE-20-10017	..	Spacer (upper)		2
-63	BE-45-10043/7	.	Rod Assembly, "Sarma" aileron control.....		1
-64	RBJ-68U	..	Bearing, spherical L/H (Rose Heim Uniball)		1
			Alternative		
	RBJ-340	..	Bearing, spherical L/H (Rose Heim Uniball)		1
-65	NAS509-L5	..	Nut, thin, locking, L/H		1
-66	RBJ-67-U	..	Bearing, spherical R/H (Rose Heim Uniball).....		1
			Alternative		
	RBJ-339	..	Bearing, spherical R/H (Rose Heim Uniball).....		1
-67	NAS509-5	..	Nut, thin, locking, R/H.....		1
-68	A112-6E	.	Bolt 1/4 in. UNF.....		1
-70	A103-ES	.	Nut, slotted.....		1
R -72	SP124-E	.	Washer		2
-73	SP90-C8	.	Pin, split.....		1
-74	BE-45-10169/3	.	Washer, packing.....		2
-75	BE-24-10001/11	.	Bracket, aileron control attachment (Chap. 16-2, Fig. 1).....		RF
-76	BE-24-10001/12	.	Bracket, aileron control attachment (Chap. 16-2, Fig. 1).....		RF

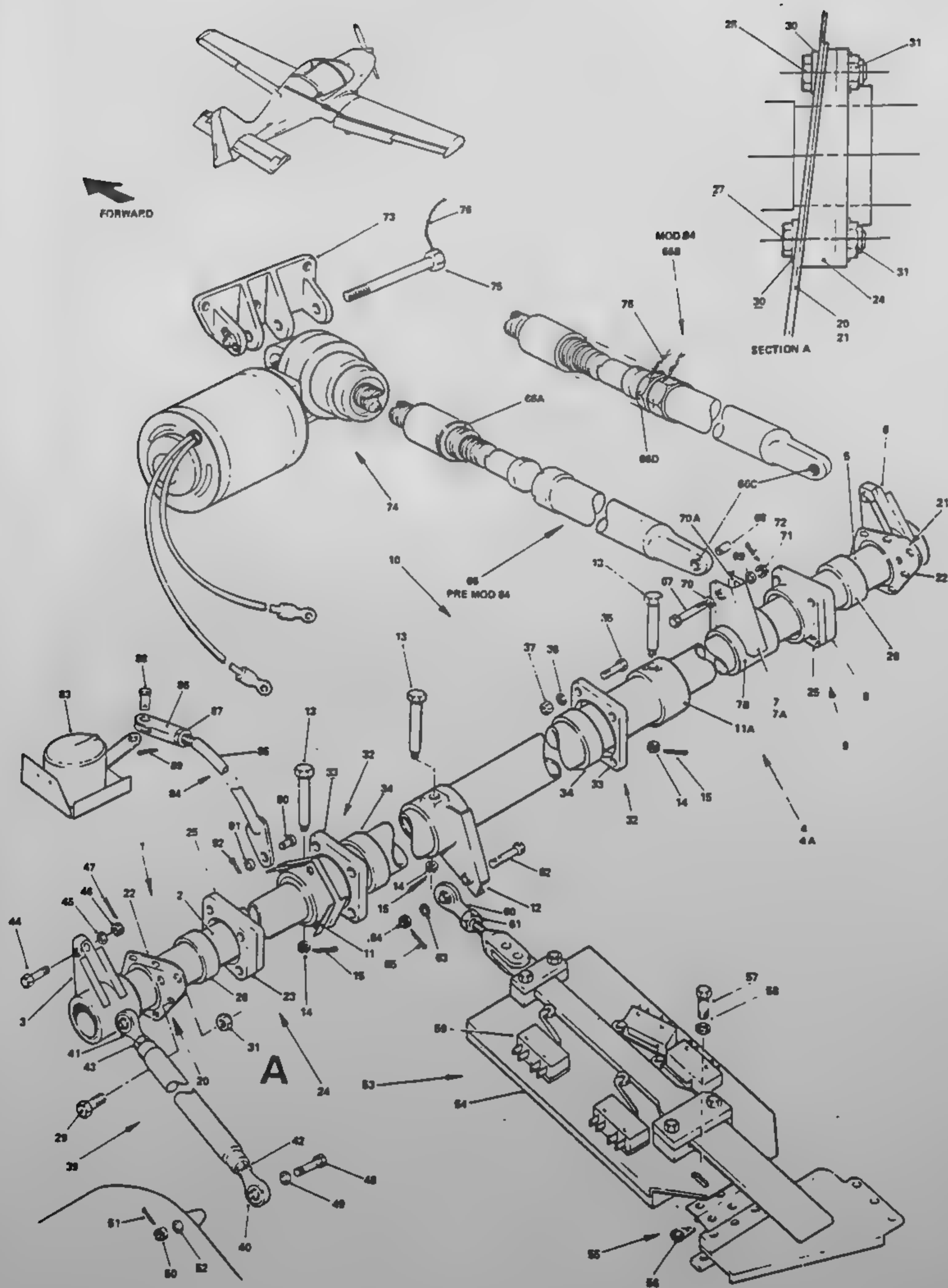


Fig. 3 Torque tube and drive

Flying Controls
Flap Torque Tube and Drive

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
3-	BH-45-897		Flap torque tube assembly		RF
-1	BH-45-425		. Tube assembly, torque, port.....		1
-2	BH-45-429		. . Tube, torque.....		1
-3	BH-45-431		. . Lever, flap actuator.....		1
-4	BH-45-423		. Tube assembly, torque, stbd. (Pre-Mod.151)		1
-4A	BH-45-1079		. Tube assembly, torque, stbd.(mod.151).....		1
-5	BH-45-429		. . Tube, torque.....		1
-6	BH-45-432		. . Lever, flap actuator.....		1
-7	BH-45-055		. . Lever, flap actuator (Pre-Mod 151).....		1
-7A	BH-45-1081		. . Lever, flap actuator (Mod.151)		1
-7B	BH-45-1083		. . . Tube (flap drive lever) (Mod.151)		1
	BH-45-179		. . . Tube (flap drive lever) (Pre-Mod.151).....		1
-8	BH-45-292		. . Packer		1
-9	BE-45-10313		. . Bearing assembly		1
-10	BH-45-427		. Tube assembly, torque centre		1
-11	BH-45-443		. . Lever and collar, flap indicator, port		1
-11A	BH-45-449		. . Collar, stbd.....		1
-12	BH-45-507		. . Lever, flap micro switch		1
-13	BH-45-457		. . Bolt, special		3
	BH-03-347		. . Bolt, special o/s Repair Drg. No.BH-03-345		AR
-14	A103-ES		. . Nut, slotted.....		3
-15	SP90-B1/2		. . Pin, split.....		3
-20	BH-45-439		. Plate assembly, housing mounting, port		1
-21	BH-45-440		. Plate assembly, housing mounting, stbd.....		1
-22	BH-45-441		. . Plate, mounting		2
-23	BH-10-291		. . Packer, port		1
-24	BE-45-10313		. Bearing assembly, port		1
-25	BE-45-10311		. . Housing, bearing, port and stbd		2
-26	BE-45-10309/1		. . Bearing		2
			Attaching parts		
-27	A102-6D		Bolt, 10-32 UNF.....		4
-28	A102-4D		Bolt, 10-32 UNF.....		4
-29	A102-1S		Bolt, 10-32 UNF.....		6
-30	BH-45-455		Washer, taper.....		8
-31	H-10-3		Nut (Kaylock)		14
-32	BE-45-10315		. Bearing assembly, port and stbd		2
-33	BE-45-10311		. Housing, bearing		2
-34	BE-45-10309/3		. . Bearing		2
			Attaching parts		
-35	A102-2D		Bolt, 10-32 UNF.....		8
-36	SP122-D		Washer		8
-37	H-10-3		Nut (kaylock)		8
-39	BH-45-717		. Rod assembly, flap control, port and stbd.....		1
-40	RBJ-339U		. . Bearing spherical R/H (Rose Heim Uniball).....		1
-41	RBJ-340U		. . Bearing spherical L/H (Rose Heim Uniball)		1
-42	NAS509-5		. . Nut, thin, locking		1
-43	NAS509-L5		. . Nut, thin, locking		1
			Attaching parts to items 3 and 6.....		
-44	A102-6E		Bolt, 1/4in. UNF.....		2
-45	SP125-E		Washer		2
-46	A110-ES		Nut, slotted.....		2
-47	SP90-C6		Pin, split.....		2
-48	A102-18E		. Bolt, 1/4in. UNF.....		2
-49	SP124-E		. Washer		2
-50	A110-ES		. Nut, slotted.....		2
-51	SP90-C6		. Pin, split.....		2
-52	SP125-E		. Washer		2
-53	BH-10-1725		. Micro switch assembly, flap, Chap. 55-1, Fig.2		RF
-54	BH-10-1717		. Chassis, micro switch		1

Flying Controls
Flap Torque Tube and Drive

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
3-55	BH-10-1769		. . Hinge assembly.....		1
-56	MK2000-3		. . Nut, anchor (keylock).....		2
-57	A102-4D		. . Bolt, 10-32 UNF.....		2
-58	SP123-D		. . Washer		2
-59	K5-KR		. . Switch, micro, 55-1, Fig. 2		RF
-60	AGS3056		. . Rod, end spherical.....		1
-61	A192-ET		. . Nut, thin locking		1
-62	A102-4D		. . Bolt, 10-32 UNF.....		1
-63	SP123-D		. Washer		2
-64	A103-DS		. . Nut, slotted.....		1
-65	SP90-B4		. . Pin, split.....		1
-66	BH-45-181		. Extension, flap motor (Pre-Mod.84).....		1
-66A	BH-45-931		. Washer (Pre-Mod.84)		1
-66B	BH-45-1047		. Extension, flap motor (Mod.84)		1
-66C	SS302-05-07-05		. . Bearing		1
-66D	BH-45-1055		. Nut, locking (Mod.84).....		1
R -67	A102-5E		Bolt, 1/4in UNF.....		1
-68	AS2806-5-045		. Tube, distance.....		1
-69	SP124-E		. Washer		1
-70	SP126-E		. Washer		1
-70A	-		. Washer (PTFE) (Ref.No.10AC/9444213) (Mod.55).....		1
-71	A103-ES		. Nut, slotted.....		1
-72	SP90-C6		. Pin, split.....		1
-73	BH-20-483		. Bracket assembly, motor attachment, Chap.15-2, Fig.5		RF
-74	BH-45-975		. Motor assembly, flap drive		1
			Attaching parts		
-75	BH-20-485		Bolt, special		1
-76			Wire, locking, DTD189,22SWG		A/R
			(Ref.No.30A/9437135)		
	ITEMS				
	77-82 not used				
	BH-81-411		. lap, position, transmitter and drive installation		RF
-83	841FL-BU		. . Transmitter, desynn (Smiths)		1
-84	BH-81-419		. . Rod assembly, desynn Connector		1
-85	BH-81-421		. . Rod.....		1
-86	SP119-D		. . End, fork		1
-87	A103-DT		. . Nut, thin, locking		1
-88	SP4Y-B2		. . Pin, clevis, attaching item 83		1
-89	SP90-C4		. . Pin, split.....		1
-90	SP113-C5		. . Pin, clevis		1
-91	SP121-C		. . Collar		1
-92	SP90-C5		. . Pin, split.....		1

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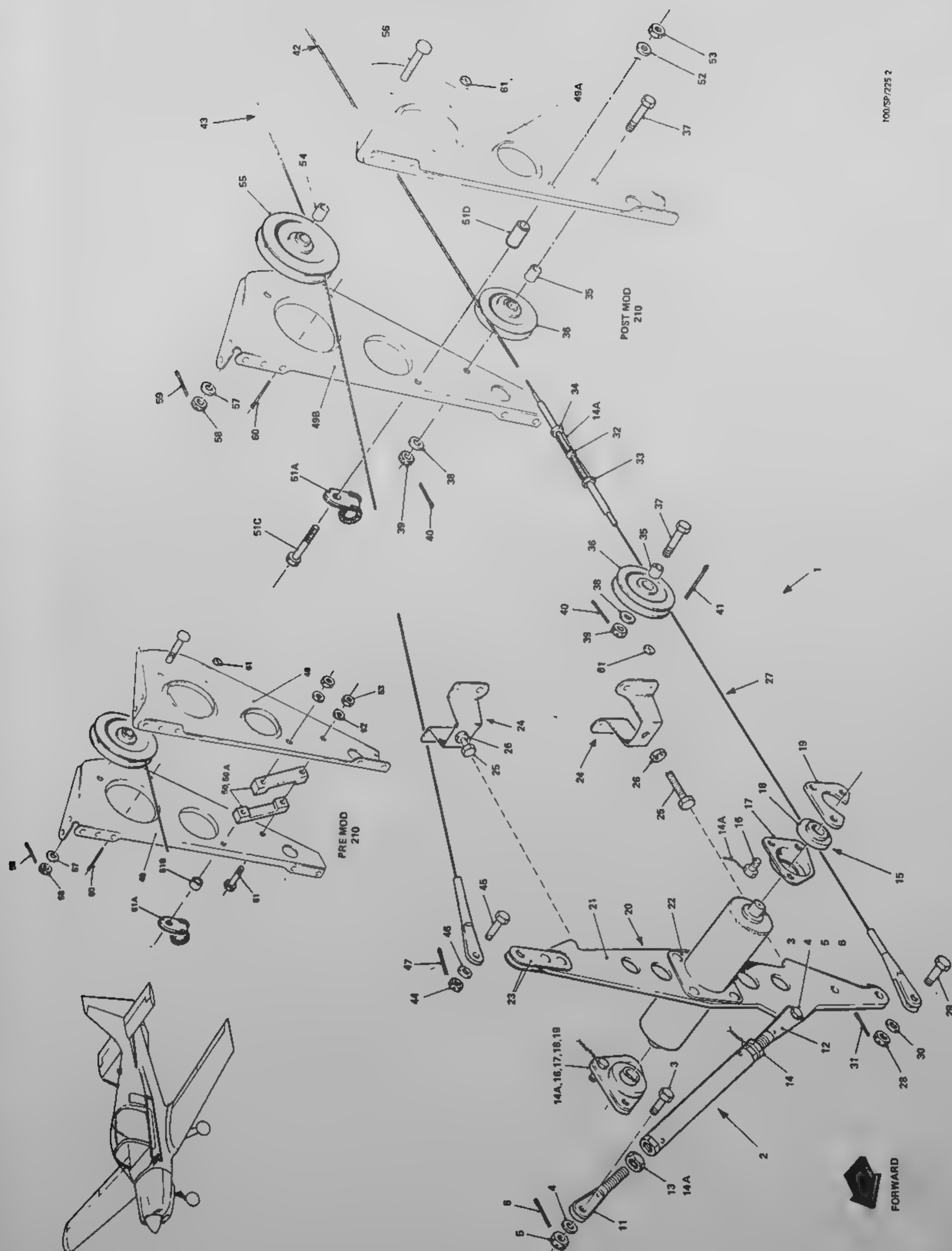


Fig.4 Elevator control circuit, forward

Flying Controls
Elevator Control Circuit Forward

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
4-1	BH-45-003	Elevator control installation forward.....		RF
-2	BE-45-10047	. Rod assy., elevator control.....		
		Alternative		
	BH-45-921	. Rod assy., elevator control.....		1
		Attaching parts		
-3	A111-4D	Bolt, 10-32 UNF.....		2
-4	SP125-D	Washer.....		2
-5	A103-DS	Nut, slotted.....		2
-6	SP90-C8	Pin, split.....		2
R -11	BE-45-10041/3	. . End, fork R/H.....		1
		Alternative		
R	BH-49-159	. . End, fork R/H.....		1
-12	BE-45-10041/5	. . End, fork L/H.....		1
-13	BDS39/A103-GT	. . Nut, locking, thin, 5/16 in. U.N.F.		1
-14	BDS39/A103-GTL	. . Nut, locking, thin, 5/16 in. U.N.F.		1
14A	-	. Wire, locking (DTD189 22 SWG).....		A/R
-15	BE-45-10021/5	. Bearing assy., port and stbd.		2
		Attaching parts		
-16	A102-2D	Bolt, 10-32 UNF.....		3
-17	BE-45-10019/3	. . Housing.....		1
-18	400015	. . Bearing (S.K.F.).....		1
		Alternatives		
	CK3/8C	. . Bearing (Ransome, Hoffmann & Pollard).....		1
	N3108	. . Bearing (Hoffmann).....		1
-19	BE-45-10233	. . Spacer, bearing.....		1
-20	BH-45-973	. Lever assy., elevator str. 69.2.....		1
-21	BH-45-971	. . Lever.....		1
-22	BH-45-295	. . Spindle.....		1
-23	BH-45-299	. . Plate.....		2
-24	BH-10-939	. Bracket assy., stop, Chap. 15-2, Fig. 5.....		RF
-25	BE-45-10031	. Bolt, special.....		2
-26	A103-DT	. Nut, thin.....		2
-27	BE-45-10109/1	. Cable assy., lower.....		1
-28	A103-DS	. Nut, slotted.....		1
-29	A111-3D	. Bolt, 10-32 UNF.....		1
-30	SP125-D	. Washer.....		1
-31	SP9-C8	. Pin, split.....		1
-32	SP103-D	. Rod, tension.....		1
-33	A103-DT	. Nut, thin, R/H.....		1
-34	A103-DTL	. Nut, thin, L/H.....		1
-35	BE-45-10015/1	. Bush, pulley.....		1
-36	AS-103	. Pulley 2 in. dia. lower str. 82.....		1
-37	A102-6D	. Bolt, 10-32 UNF.....		1
-38	SP125-D	. Washer.....		1
-39	A103-DS	. Nut, slotted.....		1
-40	SP90-C8	. Pin, split.....		1
-41	SP90-E7	. Pin, split.....		1
-42	BE-45-10111/3	. Cable assy., Fig. 5.....		RF
-43	BE-45-10111/5	. Cable assy., top.....		1
-44	A103-DS	. Nut, slotted.....		1
-45	A111-3D	. Bolt, 10-32 UNF.....		1
-46	SP125-D	. Washer.....		1
-47	SP9-C8	. Pin, split.....		1
-48	BE-10-10159	. Bracket, elevator pulley, port, Chap. 15-5, Fig. 3 (Pre-Mod.210)		RF
-49	BE-10-10160	. Bracket, elevator pulley, stbd., Chap. 15-5, Fig. 3 (Pre-Mod. 210)		RF
-49A	BH-10-3855	. Bracket, elevator pulley, port (Chap. 15-5, Fig. 3) (Mod. 210)...		RF
-49B	BH-10-3856	. Bracket, elevator pulley, stbd. (Chap. 15-5, Fig. 3) (Mod. 210)...		RF
-50	BE-10-10495	. Fairlead (Pre-Mod. 158) (Pre-Mod. 210).....		2
-50A	BH-10-3715	. Fairlead (Mod. 158) (Pre-Mod. 210).....		2

Flying Controls
Elevator Control Circuit Forward

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
-51	A102-6C	.	Bolt, 8-32 UNC.....		1
-51A	AS5418/4	.	Clip, 'P'.....		1
-51B	AS2307/030	.	Piece, distance.....		1
-51C	A102-10C	.	Bolt, 8-32 UNC.....		1
-51D	AS2806/4/05	.	Piece, distance (Mod. 210).....		1
-52	SP125-C	.	Washer.....		2
-53	H-10-08	.	Nut (Kaylock).....		2
-54	BE-45-10015/1	.	Bush, pulley.....		1
-55	AS104	.	Pulley, 3 in. dia. top stn. 133.....		1
-56	A102-6D	.	Bolt, 10-32 UNF.....		1
-57	SP125-D	.	Washer.....		1
-58	A103-DS	.	Nut, slotted.....		1
-59	SP90-C8	.	Pin, split.....		1
-60	SP90-E7	.	Pin, split.....		1
-61	SP58-B	.	Burr, rivet.....		2

Flying Controls
Elevator Control Circuit Forward

Fig & Index	Part No.	1 2 3 4 5 6						Nomenclature	Usage Code	Units per Assy.

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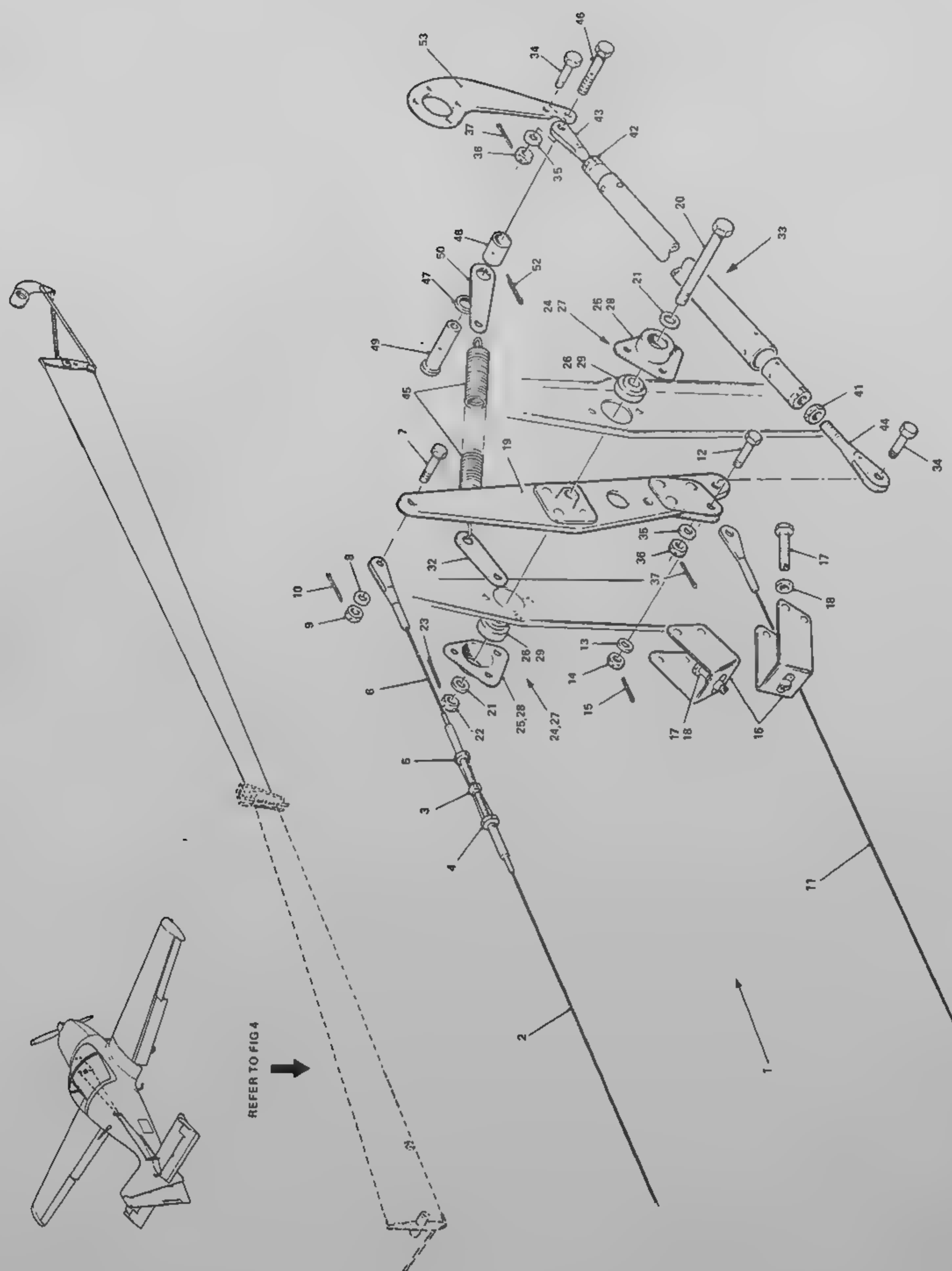


Fig 5 Elevator Control Circuit - Aft

Flying Controls
Elevator Control Circuit Aft

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
5-1	BH-45-003		Elevator control circuit rear.....		RF
-2	BE-45-10111/5		. Cable assy.top, Fig.4.....		RF
-3	SP103-D		. Rod, tension.....		1
-4	A103-DT		. Nut, thin, locking R/H.....		1
-5	A103-DTL		. Nut, thin, locking L/H.....		1
-6	BE-45-10109/5		. Cable assy. top.....		1
			Attaching parts		
-7	A111-4D		Bolt, 10-32UNF.....		1
-8	SP125-D		Washer.....		1
-9	A103-DS		Nut, slotted.....		1
-10	SP90-C8		Pin, split.....		1
-11	BE-45-10111/3		. Cable assy.lower.....		1
			Attaching parts		
-12	A111-4D		Bolt, 10-32UNF.....		1
-13	SP125-D		Washer.....		1
-14	A103-DS		Nut, slotted.....		1
-15	SP90-C8		Pin, split.....		1
-16	BF-10-10101		. Bracket assy.lever stop, Chap.15-5, Fig.4.....		RF
-17	BE-45-10031		. Bolt, special.....		2
-18	A103-DT		. Nut, thin, locking.....		2
-19	BE-45-10023		. Lever assy.stn.207.85.....		1
-20	A102-19E		. Bolt, 1/4 in.UNF.....		1
-21	SP-126-E		. Washer.....		2
-22	A110-ES		. Nut, thin, slotted.....		1
-23	SP90-C6		. Pin, split.....		1
-24	BF-45-10029		. Bearing assy.....		2
-25	BE-45-10027		.. Housing.....		1
-26	N3106		.. Bearing(Hoffmann).....		1
			Alternative to Item 24		
-27	BE-45-10133		. Bearing assy.....		2
-28	BE-45-10131		.. Housing.....		1
-29	N3106		.. Bearing(Hoffmann).....		1
			Alternative to Items 26,29		
	CK 1/4C		.. Bearing(Ransome, Hoffmann & Pollard).....		1
	SK400014		.. Bearing(S.K.F.).....		1
-32	BE-45-10175		. Link.....		1
-33	BE-45-10049/1		. Rod assy. elevator control, aft(Alt.26NS/6055479).		1
			Attaching parts		
-34	A111-3D		Bolt, 10-32UNF.....		2
-35	SP126-D		Washer.....		2
-36	A103-DS		Nut, slotted.....		2
-37	SP90-C8		Pin, split.....		2
-41	NAS509-5		.. Nut, thin R/H.....		1
-42	NAS509-L5		.. Nut, thin L/H.....		1
-43	BE-45-10041/5		.. End fork.....		1

Flying Controls
Elevator Control Circuit Aft

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
-44	BE-45-10041/3	..	End fork.....		1
-45	BE-45-10179	.	Spring,elevator tension.....		1
-46	A111-2D	.	Bolt,10-32UNF(Mod.115).....		1
-47	SP127-G	.	Washer(Mod.115).....		1
-48	BH-45-1073	.	Tube,distance(Mod.115).....		1
-49	BH-45-1071	.	Ferrule,threaded(Mod.115).....		1
-50	BE-45-10175	.	Link,aft.....		1
-52	SP90-C7	.	Pin,split(Mod.115).....		1
-53	BH-31-019	.	Lever,elevator,Chap.17-1,Fig.1.....		RF

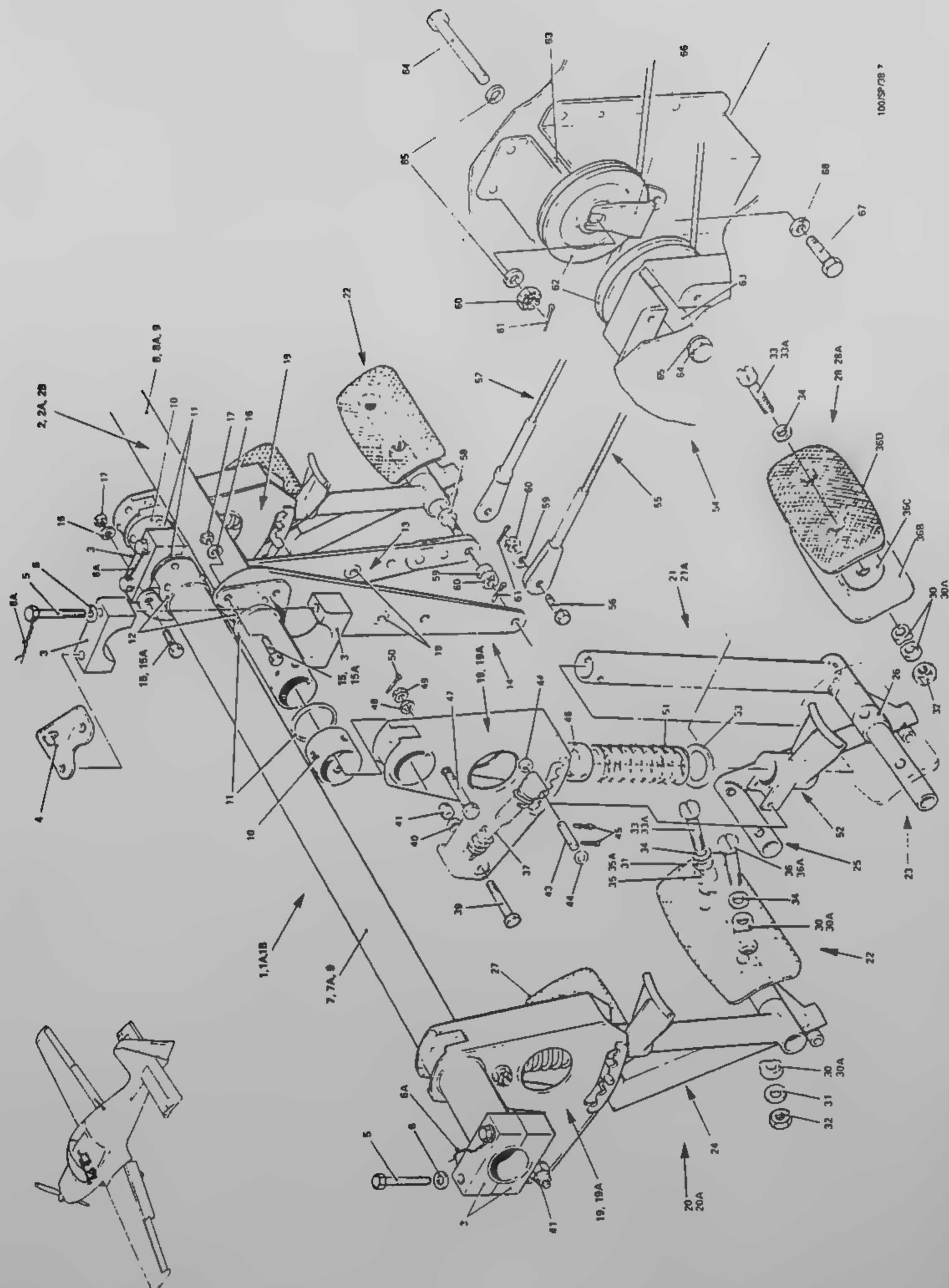


Fig. 6 Rudder Pedal Installation

Flying Controls
Rudder and Brake Pedal Installation

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
6-	BH-45-459	INSTALLATION OF RUDDER AND BRAKE PEDALS.....							RF
-1	BH-45-1065	. Rudder pedal and torque tube assy., stn.45.625.....							1
		(Mod 89) (Pre Mod 170)							
-1A	BH-45-1093	. Rudder pedal and torque tube assy. (Mod 170)(Pre-mod 194)							1
R -1B	BH-45-1121	. Rudder pedal and torque tube assy (Mod 194)(Pre-Mod 240)							1
R	BH-45-1127	. Rudder pedal and torque tube assy (Mod 240).....							1
-2	BH-45-1067	. Rudder pedal and torque tube assy, stn 47.875(Pre-Mod 170)							1
-2A	BH-45-1095	. Rudder pedal and torque tube assy. (Mod 170)(Pre-Mod 194)							1
R -2B	BH-45-1119	. Rudder pedal and torque tube assy (Mod 194)(Pre-Mod 240)							1
R	BH-45-1125	. Rudder pedal and torque tube assy (Mod 240).....							1
		Attaching Parts							
-3	BE-10-10413	Bearing,split (supplied in matched pairs)....							4
-4	BE-45-10249	Bracket,cable support.....							1
-5	BDS39/A102-19D	Bolt, 10-32 UNF (Mod.117).....							8
-6	SP126-D	Washer.....							8
-6A	-	Wire,locking,22 SWG, DTD 189 (Mod 117).....							A/R
-7	BH-45-397	. . Tube assy.,torque,stn., 45.625 (Pre-mod 194).....							1
R -7A	BH-45-1109	. . Tube assy.,torque,stn., 45.625 (Mod 194)(Pre-Mod 240)							1
R	BH-45-1131	. . Tube assy.,torque,stn., 45.625 (Mod 240).....							1
-8	BH-45-399	. . Tube assy., torque stn, 47.875 (Pre-Mod 194).....							1
R -8A	BH-45-1107	. . Tube assy.,torque stn, 47.875 (Mod 194)(Pre-Mod 240)							1
R	BH-45-1129	. . Tube assy. torque, stn., 47.875 (Mod 240).....							1
-9	BH-45-401	. . . Tube,torque.....							1
-10	BE-45-10251/5	. . . Spacer(riveted).....							1
-11	BE-45-10151	. . . Washer, thrust.....							2
R -12	BE-45-10149	. . . Hub,lever(welded) (Pre-Mod 240).....							1
R	BH-45-1123	. . . Hub,lever (machined) (Mod 240).....							1
R -13	BH-45-499	. . . Lever assy., rudder cable attachment stn.45.625							
		(Pre-Mod 240).....							1
R	BH-45-1135	. . . Lever assy., rudder cable attachment stn 45.625							
		(Mod 240).....							1
R -14	BH-45-501	. . . Lever assy, rudder cable attachment stn 47.825							
		(Pre-Mod 240).....							1
R	BH-45-1133	. . . Lever assy, rudder cable attachment stn 47.825							
		(Mod 240).....							1
		Attaching Parts							
-15	A102-3D	Bolt (Pre-Mod 194).....							3
-15A	A111-3D	Bolt,close tolerance (Mod 194).....							3
-16	SP125-D	Washer.....							3
-17	H10-3	Nut,stiff.....							3
-18	RBJ202	. . . Bearing (Rose Hem Uniball).....							1
-19	BH-45-659	. . . Anchorage assy,pedal adjustment,(Pre-mod 194)....							2
-19A	BH-45-1117	. . . Anchorage assy,pedal adjustment,(Mod 194).....							2
-20	BH-45-1061	. . Pedal assy., rudder and brake stn 45.625 (Pre-mod 170)							2
-20A	BH-45-1091	. . Pedal assy, rudder and brake stn. 45.625 (Mod 170).							2
-21	BH-45-1063	. . Pedal assy, rudder and brake stn. 47.875 (Pre-mod 170)							2

Flying Controls

Rudder and Brake Pedal Installation

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
6-21A	BH-45-1089	. .	Pedal assy.,	rudder and brake stn.	47.875	(Mod 170)	..		2
-22	BH-45-725	. . .	Pedal assy.,	rudder, stn.	45.625	L/H (Pre-Mod 86)			1
	BH-45-1049	. . .	Pedal assy.,	rudder, stn	45.625	L/H (Mod 86)			1
-23	BH-45-726	. . .	Pedal assy.,	rudder, stn.	47.875	R/H (Pre-Mod 85)	..		1
	BH-45-1051	. . .	Pedal assy.,	rudder, stn	47.875	R/H (Mod 86)			1
-24	BH-45-406	. . .	Pedal, assy,	brake, stn	45.625	L/H			1
-25	BH-45-405	. . .	Pedal assy,	brake, stn,	47.875	R/H			1
-26	BH-45-207	. . .	Collar, retaining						1
-27	BH-45-087	. . .	Footrest assy.,	brake					1
-28	BE-45-10293/1	. . .	Footrest assy.,	rudder (Pre-Mod 170)					1
-28A	BH-45-1085	. . .	Footrest assy.,	rudder (Mod 170)					4
-29	A116-7D	. . .	Bolt						2
-30	AS1903-C6	. . .	Washer, saddle (Pre-Mod 170)						6
-30A	BH-45-1087	. . .	Washer, saddle (Mod 170)						4
-31	SP126-D	. . .	Washer						4
-32	H-10-3	. . .	Nut, stiff						4
-33	A116-9D	. . .	Bolt (Pre-Mod 170)						1
-33A	A113-11D	. . .	Bolt (Mod 170)						4
-34	SP125-D	. . .	Washer						1
-35	AS1903-C8	. . .	Washer, saddle (Pre-Mod 170)						2
-35A	BH-45-1097	. . .	Washer, saddle (Mod 170)						4
-36	A116-10D	. . .	Bolt (Pre-Mod 170)						1
-36A	A113-12D	. . .	Bolt (Mod 170)						4
-36B	BH-45-1085/1	. . .	Plate (Mod 170)						1
	BE-45-10293/5	. . .	Plate (Pre-Mod 170)						1
-36C	BH-45-1085/2	. . .	Stiffener, plate (Mod 170)						1
	BE-45-10293/7	. . .	Rubazote, packing (Pre-Mod 170)						1
-36D	BH-45-1085/3	. . .	Pad, microcellular rubber (Mod 170)						1
	BE-45-10293/9	. . .	Pad, microcellular rubber (Pre-Mod 170)						1
P -37	BH-45-1143	. .	Tube assy., and spring						1
-39	A102-13D	. .	Bolt						2
-40	SP122-D	. .	Washer						2
-41	A126-D	. .	Nut, stiff						2
-43	BH-45-1053	. .	Pin, locating (Mod 89)						2
	BH-45-695	. .	Pin, locating (Pre-Mod 89)						2
-44	SP122-B	. .	Washer, (Mod 89)						4
-45	SP90-A4	. .	Pin, split						4
-46	BE-45-10259	. .	Collar, retaining						1
-47	A108-13E	. .	Bolt						2
-48	SP126-E	. .	Washer						2
-49	A103-ES	. .	Nut slotted						2
-50	SP90-C8	. .	Pin, split						2
-51	383824	. .	Spring (Flexo Steels)						1

Flying Controls
Rudder and Brake Pedal Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
6-52	BH-45-689	.	Sleeve, pedal adjustment.....		1
-53	BE-45-10261	.	Washer.....		1
-54	BH-45-005		Rudder control installation forward of strn. 116.00.....		RF
-55	BE-45-10103/5	.	Cable assy., fork end.....		1
-56	A102-4D	.	Bolt.....		1
-57	BE-45-10105/1	.	Cable assy., spade end.....		1
-58	A102-3D	.	Bolt.....		1
-59	SP125-D	.	Washer.....		2
-60	A103-D5	.	Nut, slotted.....		4
-61	SP90-C6	.	Pin, split.....		4
-62	AS103	.	Pulley, 2in. dia, strn. 116.00.....		2
-63	BE-45-10015/3	.	Bush, pulley.....		2
-64	A102-18D	.	Bolt.....		2
-65	SP126-D	.	Washer.....		4
-66	BE-45-10167	.	Guard, cable.....		2
-67	A102-1D	.	Bolt.....		2
-68	SP124-D	.	Washer.....		2

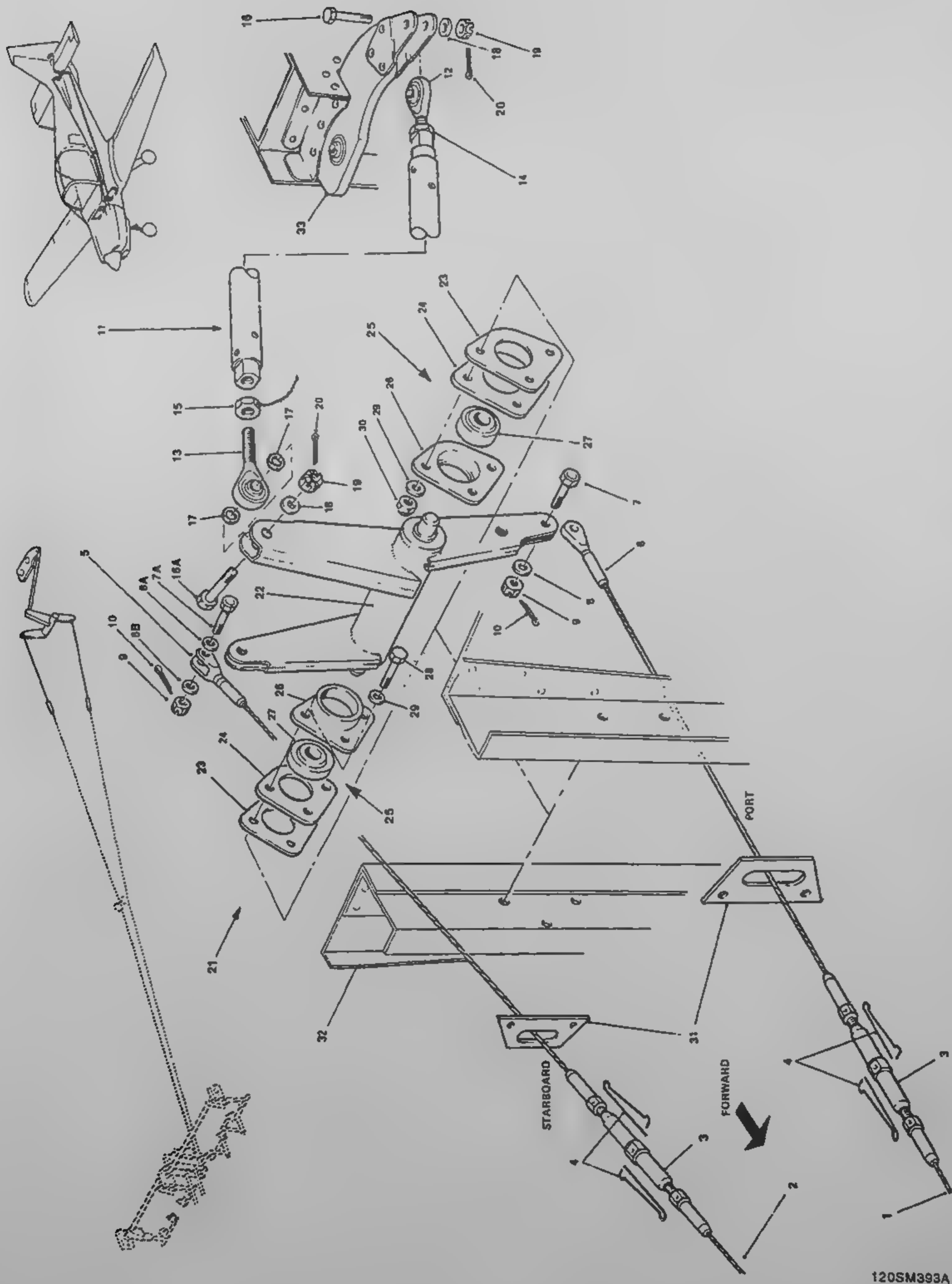


Fig. 7 Rudder Control Circuit - Rear Fuselage

BULLDOG TMK1

ILLUSTRATED PARTS CATALOGUE

ADVANCE INFORMATION LEAFLET NO.1/93

Insert this leaflet to face Chap.19-1 page 22, Figure 7.
Record its receipt in the AIL record attached and insert AIL record page into prelim pages immediately after Amendment Record Sheet prelim page 4.

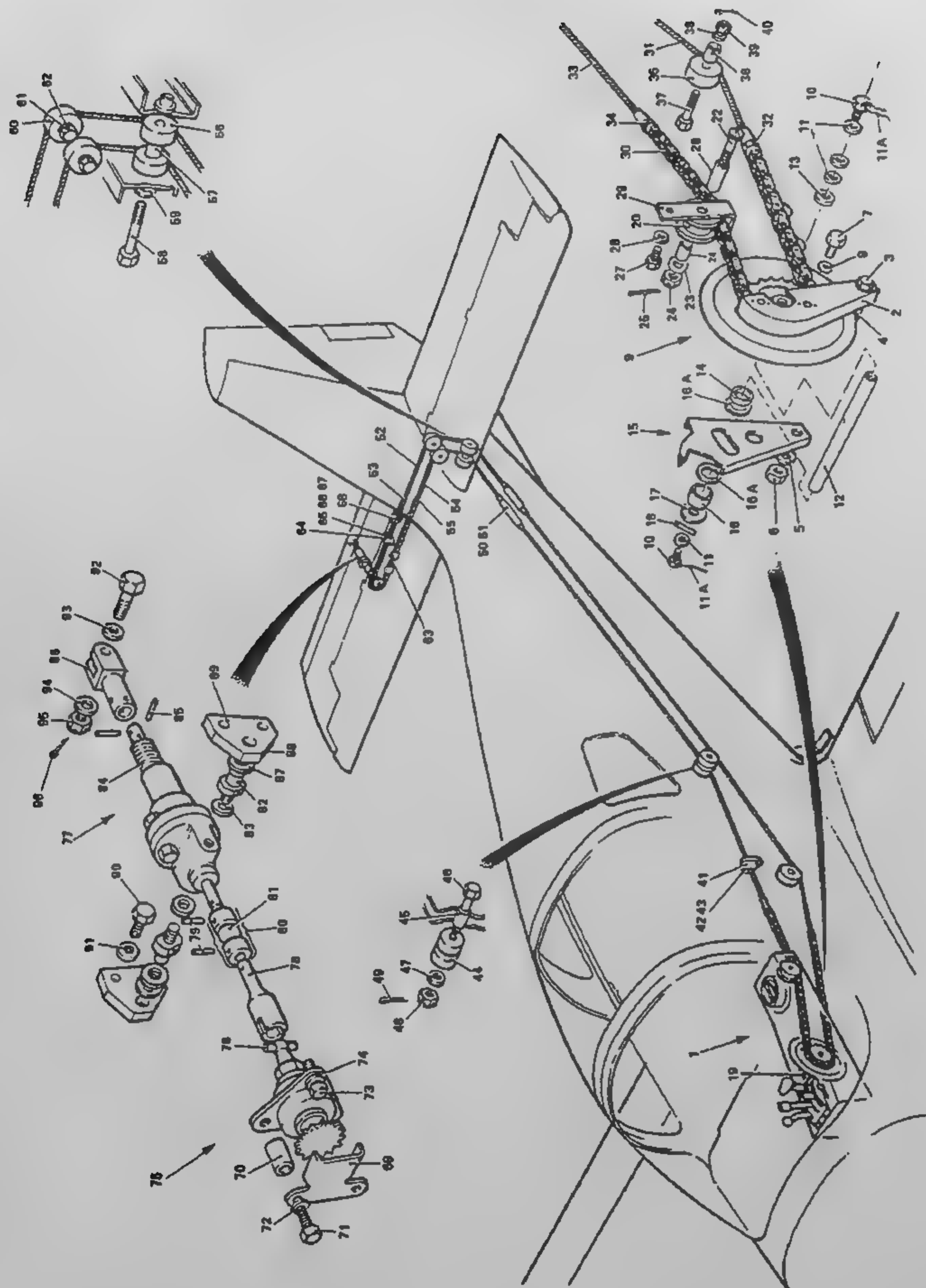
The Washer Part Number SPE-125E (item 18) installed under head of Bolt Part Number A102-5E (item 16) which is going through Lever Assembly Part Number BE-45-50107 (item 22) must not be installed in the aircraft.

NOTE

- (1) The information contained in this leaflet will be incorporated by normal amendment action in due course.
- (2) If, after receipt of this leaflet, an amendment list with a prior date and conflicting information is received, the information in this leaflet is to take precedence.

Flying Controls
Rudder Circuit - Rear Fuselage

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
	BH-45-005		Rudder control circuit installation aft of stn. 116.0.....		RF
7-1	BE-45-10103/5		. Cable assy., fork end, Fig. 6		RF
-2	BE-45-10105/1		. Cable assy., spade end, Fig. 6		RF
-3	MS21251-5L		. Turnbuckle (Joseph Long Ltd.)		2
-4	MS21256-2		. Clip, locking (Joseph Long Ltd.)		2
-5	BE-45-10103/1		. Cable assy., fork end, stbd		1
-6	BE-45-10105/3		. Cable assy., spade end, port.....		1
			Attaching parts		1
R	-7	A-102-3D	Bolt, 10-32 UNF.....		1
R	-7A	A102-4D	Bolt 19/32 UNF.....		1
R	-8	SP125-D	Washer		1
R	-8A	SP122D	Washer		1
R	-8B	SP126D	Washer		1
	-9	A103-DS	Nut, slotted.....		2
	-10	SP90-C6	Pin, split.....		2
	-11	BE-45-10043/1	. Rod assy., rudder control ("Sarna").....		1
	-12	RBJ-67U	. . Bearing, spherical R/H (Rose Heim Uniball).....		1
			Alternative		
		RBJ339	. . Bearing, spherical R/H (Rose Heim Uniball).....		1
	-13	RBJ-68U	. . Bearing, spherical L/H (Rose Heim Uniball)		1
			Alternative		
		RBJ340	. . Bearing, spherical L/H (Rose Heim Uniball)		1
	-14	NAS509-5	. . Nut, thin R/H		1
	-15	NAS509/L5	. . Nut, thin L/H.....		1
R	-16	A102-5E	. Bolt, 1/4 in. UNF.....		1
R	-16A	A102-6E	. Bolt, .25-.28 UNF.....		1
	-17	BE-45-10169/1	. Washer, packing, forward end		2
	-18	SPE-125E	. Washer		2
	-19	A110-ES	. Nut, slotted.....		2
	-20	SP90-C6	. Pin, split.....		2
	-21	BE-10-50103	. Lever assy., rudder control installation stn. 218.500.....		RF
	-22	BE-45-50107	. . Lever assy.		1
	-23	BE-20-10023	. . Spacer outer.....		2
	-24	BE-45-10235	. . Spacer, inner, bearing		2
	-25	BE-45-10021/3	. . Bearing assy.		2
	-26	BE-45-10019/1	. . Housing.....		2
	-27	CK3/8C	. . Bearing - (Ransome & Marles)		2
			Alternatives		
		N3108	. . Bearing (Hoffmann)		2
		400015	. . Bearing (Skefco).....		2
	-28	A102-2D	. Bolt, 10-32 UNF.....		6
	-29	SP127-D	. Washer		12
	-30	H10-3	. Nut (Kaylock)		6
	-31	BE-10-10103/1	. Fairlead, stn. 207.850		1
	-32	BE-10-10019/1	. Diaphragm, frame stn. 218.500, Chap. 15-5, Fig. 4.....		RF
	-33	BH-33-123	. Lever assy., rudder operating, Chap. 17-1, Fig. 4		RF



120SM395A

Fig.8. Elevator Trim Tab Circuit

Flying Controls
Elevator Trim Tab Circuit

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
8-	BH-45-009	Elevator trim controls installation.....							RF
-1	BH-10-365	. Console box assy.(Chap. 15-3, Fig.3).....							RF
-2	BH-45-099	. . Guard assy., chain.....							1
-3	A102-12C	. . Bolt, 8-32 UNC.....							1
-4	AS2810-4-130	. . Tube, distance.....							1
-5	SP126C	. . Washer.....							2
-6	H10-08	. . Nut (Kaylock).....							1
-7	A102-1/2C	. . Bolt, 8/32, attachment guard to console.....							2
-8	SP124C	. . Washer, attachment guard to console.....							2
-9	BE-45-10199	. Sprocket assy., trim wheel.....							1
-10	BDS39-A102-1/2D	. . Bolt, 10-32 UNF.....							2
-11	SP124-D	. . Washer.....							4
-11A	30A/9437135	. . Locking, wire (DTD189-22SWG).....							A/R
-12	BE-47-10053	. . Spindle.....							1
-13	SP126-G	. . Washer.....							A/R
-14	BE-45-10301	. . Distance tube.....							1
-15	BH-45-095	. . Pointer assy., elevator trim.....							1
-16	AS2811/12/030	. . Distance tube.....							1
-16A	SP126Q	. . Washer.....							2
-17	SP58-J	. . Rivet, burr.....							1
-18	—	. . Pin, spring 3/32 in. dia. x 3/4 in. long (Selok).....							1
-19	BH-81-429	. . Trim scale light, box assy. (Chap. 56-1, Fig. 2).....							1
-20	BE-45-10207	. . Roller, nylon.....							1
-21	AS2809-5-058	. . Tube, distance.....							2
-22	A113-16D	. . Bolt, 10-32 UNF.....							2
-23	SP126-D	. . Washer.....							1
-24	A103-DS	. . Nut, slotted.....							1
-25	SP90-C8	. . Pin, split.....							1
-26	AS2806-4-160	. . Tube, distance.....							1
-27	A102-1/2B	. . Bolt, 6-32 UNC.....							1
-28	SP126-B	. . Washer.....							1
-29	BH-45-231	. . Guard, chain.....							1
-30	BE-45-10191/1	. Chain assy., non reversible, forward.....							1
-31	BE-45-10189/13	. Cable assy.							1
-32	A103-CT	. . Nut, thin R/H.....							2
-33	BE-45-10189/15	. Cable assy.							1
-34	A103-CTL	. . Nut thin, L/H.....							2
-35	AS1151	. Pulley shrouded.....							1
-36	AS2809-5-090	. Tube, distance.....							1
-37	A102-15E	. Bolt, hex. hd. 1/4 in. UNF.....							1
-38	SP126-E	. Washer.....							1

Chap. 19-1

Flying Controls
Elevator Trim Tab Circuit

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
8-39	A110-ES	. Nut slotted.....							1
-40	SP90-C8	. Pin,split.....							1
-41	BE-45-10213	. Fairlead nylon.....							1
-42#	A102-1C	. Bolt,8-32 UNC.....							2
-43#	SP126-C	. Washer.....							2
-44	AS1151	. Pulley,shrouded.....							2
-45	AS2809-5-065	. Tube,distance.....							1
-46	A102-19E	. Bolt,1/4 in. UNF.....							1
-47	SP123-E	. Washer.....							1
-48	A110-ES	. Nut,slotted.....							1
-49	SP90-C8	. Pin,split.....							1
-50	MS21251-2L	. Turnbuckle.....							2
-51#	MS21256-2	. Clip,locking (Joseph Long Ltd.).....							4
-52	BE-45-10189/11	. Cable assy.							1
-53#	A103-CTL	. Nut thin L/H.....							1
-54	BE-45-10189/7	. Cable assy.							1
-55	A103-CT	. Nut,thin R/H.....							1
-56	AS1151	. Pulley shrouded.....							2
-57	AS2809-5-072	. Tube,distance.....							1
-58	A102-20E	. Bolt, 1/4 in. UNF.....							1
-59	SP123-E	. Washer.....							1
-60	AS1151	. Pulley shrouded.....							2
-61	A102-6E	. Bolt, 1/4 in. UNF.....							2
-62	SP126-E	. Washer.....							2
-63	BE-45-10191/3	. Chain assy.,non reversible,aft.....							1
-64	BE-45-10247	. Plate stop.....							1
-65#	A102-1/2C	. Bolt,8-32 UNC.....							2
-66#	SP126-C	. Washer.....							2
-67#	H10-08	. Nut (Kaylock).....							2
-68	BE-45-10215	. Stop,chain.....							1
-69	BE-45-10209	. Guard,chain.....							1
-70	AS2809-4-087	. Tube,distance.....							2
-71	A102-9D	. Bolt,10-32 UNF.....							2
-72	SP126-D	. Washer.....							2
-73	A102-1/2D	. Bolt,10-32 UNF.....							1
-74	SP126-D	. Washer.....							1
-75	BE-45-10237	. Shaft assy,drive.....							1
-76		. Pin,spring 5/32 in. dia.x3/8 in. long (Selok).....							1
R-77	BE-45-10217	. Jack assy.,elevator trim (Pre-mod 242).....							1
R	BH-45-1141	. Jack assy. elevator trim (Mod 242).....							1
R 78 to 86 no longer used.									
-87	SP123-E	. Washer.....							A/R

Item not illustrated

Tail Unit
Elevator and Tab

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
8-88	SP126-E	.	Washer.....		A/R
-89	BE-45-10245	.	Bearing.....		2
-90	A102-1/2C	.	Bolt, 8-32 UNC.....		4
-91	SP126-C	.	Washer.....		4
-92	A112-4E	.	Bolt, 1/4 in. UNF.....		1
-93	SP123-E	.	Washer.....		1
-94	SP126-E	.	Washer.....		1
-95	A110-ES	.	Nut, slotted.....		1
-96	SP90-C8	.	Pin, split.....		1

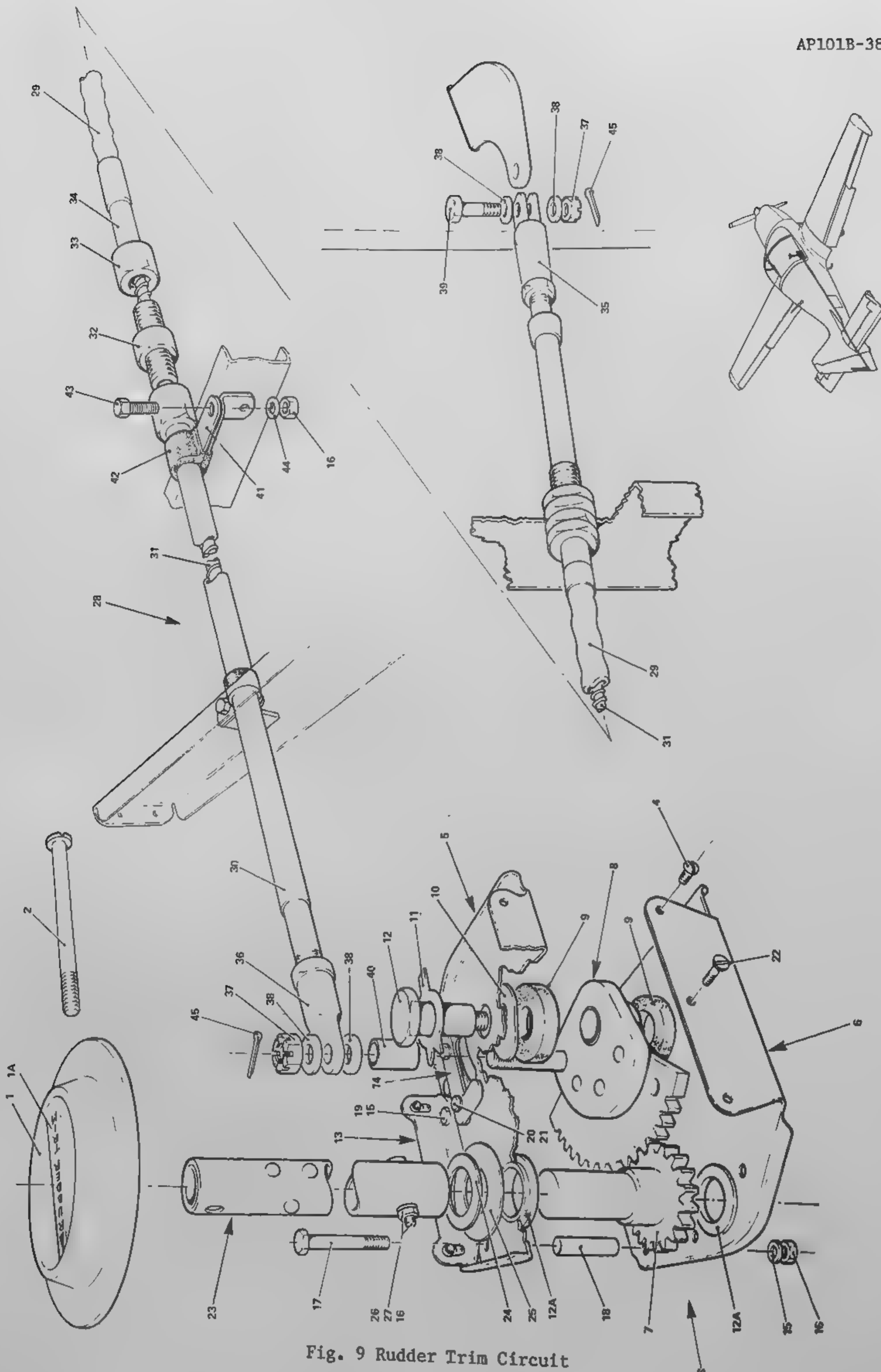


Fig. 9 Rudder Trim Circuit

Flying Controls
Rudder Trim Circuit

Fig & Index	Part No.	Nomenclature	Usage Code	Units per assy.
		1 2 3 4 5 6		
9-	BH-45-011	Installation of rudder trim circuit.....		RF
-1	BH-45-143 ISS1	. Knob, control (Pre-Mod. 80).....		1
	BH-45-143 ISS2	. Knob, control (Mod. 80).....		1
R-1A	BH-18-013	. Label, rudder trim.....		1
-2	A116-18C	. Bolt, 8-32 UNC.....		1
-3	BH-45-745	. Gearbox assy., rudder trim.....		1
		Attaching parts		
-4	A116-1C	. Bolt, 8-32 UNC.....		4
-5	BH-45-115	. . Plate assy., top.....		1
-6	BH-45-113	. . Plate assy., bottom.....		1
-7	BH-45-735	. . Pinion, rudder trim.....		1
-8	BH-45-741	. . Segment assy, gear.....		1
-9	BH-45-747	. . Washer, friction.....		2
-10	SP135-L	. . Washer, crinkle.....		1
-11	SP107-L	. . Washer, tab.....		1
-12	BH-45-109	. . Bolt, bearing.....		1
-12A	BH-45-117	. . Bearing.....		2
-13	BH-45-385	. Cleat assy.....		1
-14	BH-45-893	. Stop assy.....		1
-15	SP126-C	. Washer.....		9
-16	H10-08	. Nut, stiff (Kaylock).....		7
-17	A102-7C	. Bolt, 8-32 UNC.....		5
-18	AS2809-4-075	. Tube, distance.....		5
-19	A102-1/2C	. Bolt, 8-32 UNC.....		2
-20	A102-1/2B	. Bolt, 6-32 UNC.....		2
-21	SP126-B	. Washer.....		2
-22	A173-1C	. Bolt, 6-32 UNC.....		1
-23	BH-45-723	. Tube, drop assy.....		1
-24	SP126L	. Washer.....		1
-25	SP126Q	. Washer.....		1
-26	A102-5C	. Bolt, 8-32 UNC.....		1
-27	SP126-C	. . Washer.....		1
-28	BH-45-825	. Cable assy., rudder trim.....		1
-29	C173047	. . Conduit assy., flexible (Teleflex).....		1
-30	BH-45-827	. . Conduit, rigid.....		1
-31	ICT-173192	. . Rod and cable assy (Teleflex).....		1
-32	BH-45-891	. . Union.....		1
-33	A79818	. . Nut.....		1
-34	A35336	. . Collar.....		1
-35	BE-47-10085	. End, fork.....		1
-36	BH-45-045	. End, spade.....		1
-37	A103-DS	. Nut, slotted.....		2
-38	SP126-D	. Washer.....		4
-39	A102-3D	. Bolt.....		1
-40	AS2811/5/070	. Tube, distance.....		1
-41	SS311-7B	. Clip, 'P' right angle.....		3
42	BH-45-1149	. Cushion.....		3
-43	A116-1/2C	. Bolt, 8-32 UNC.....		3
-44	SP126-C	. Washer.....		3
-45	SP90C-6	. Pin, split.....		2

Chapter 20
LANDING GEAR

CONTENTS

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Nose landing gear	20 - 1
Nose wheel steering	20 - 1
Main landing gear	20 - 1
Main landing gear fairing	20 - 1
Brake system	20 - 2
Footbrake controls	20 - 2
Handbrake controls	20 - 2

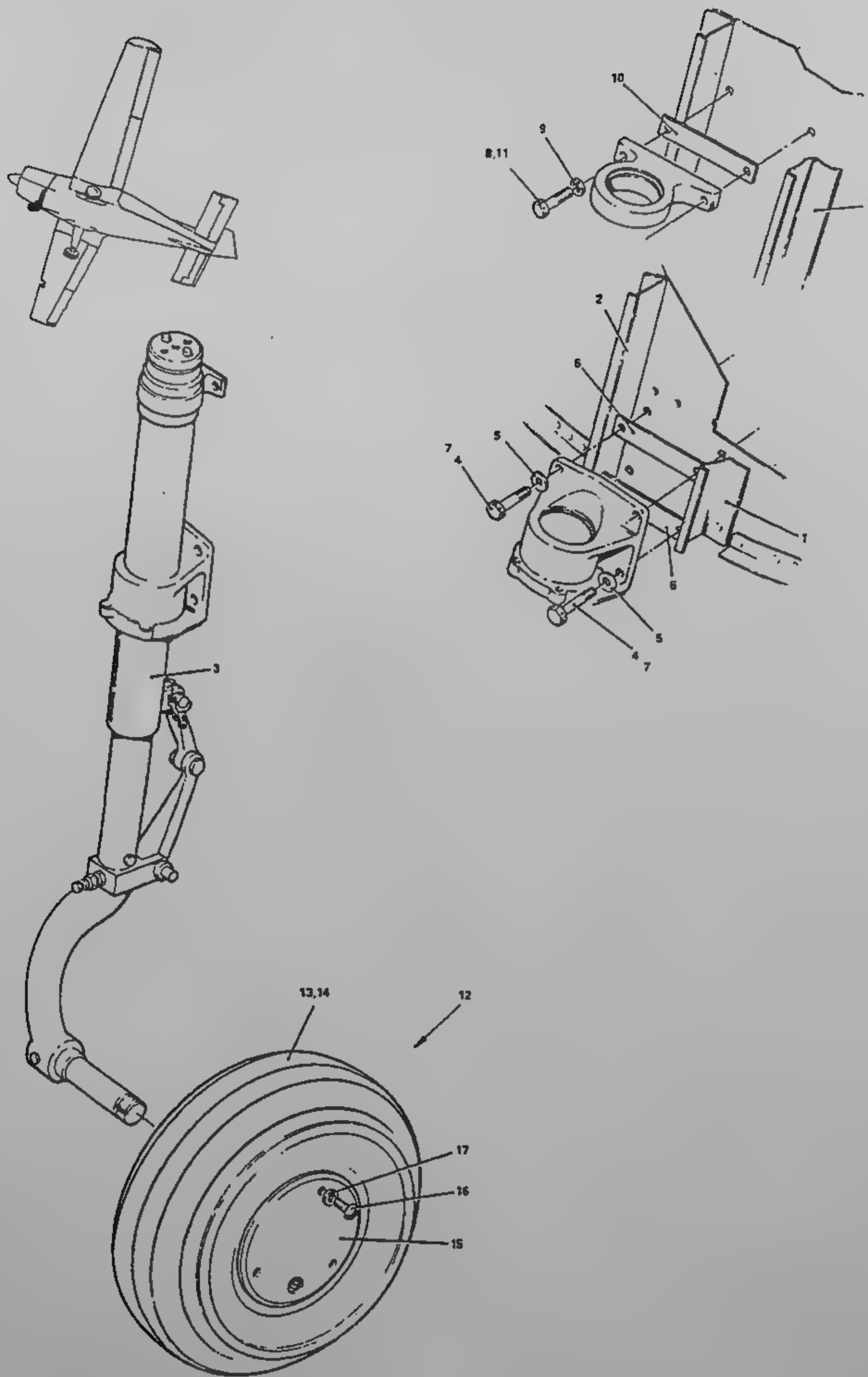
Chapter 20

LANDING GEAR

Section 1

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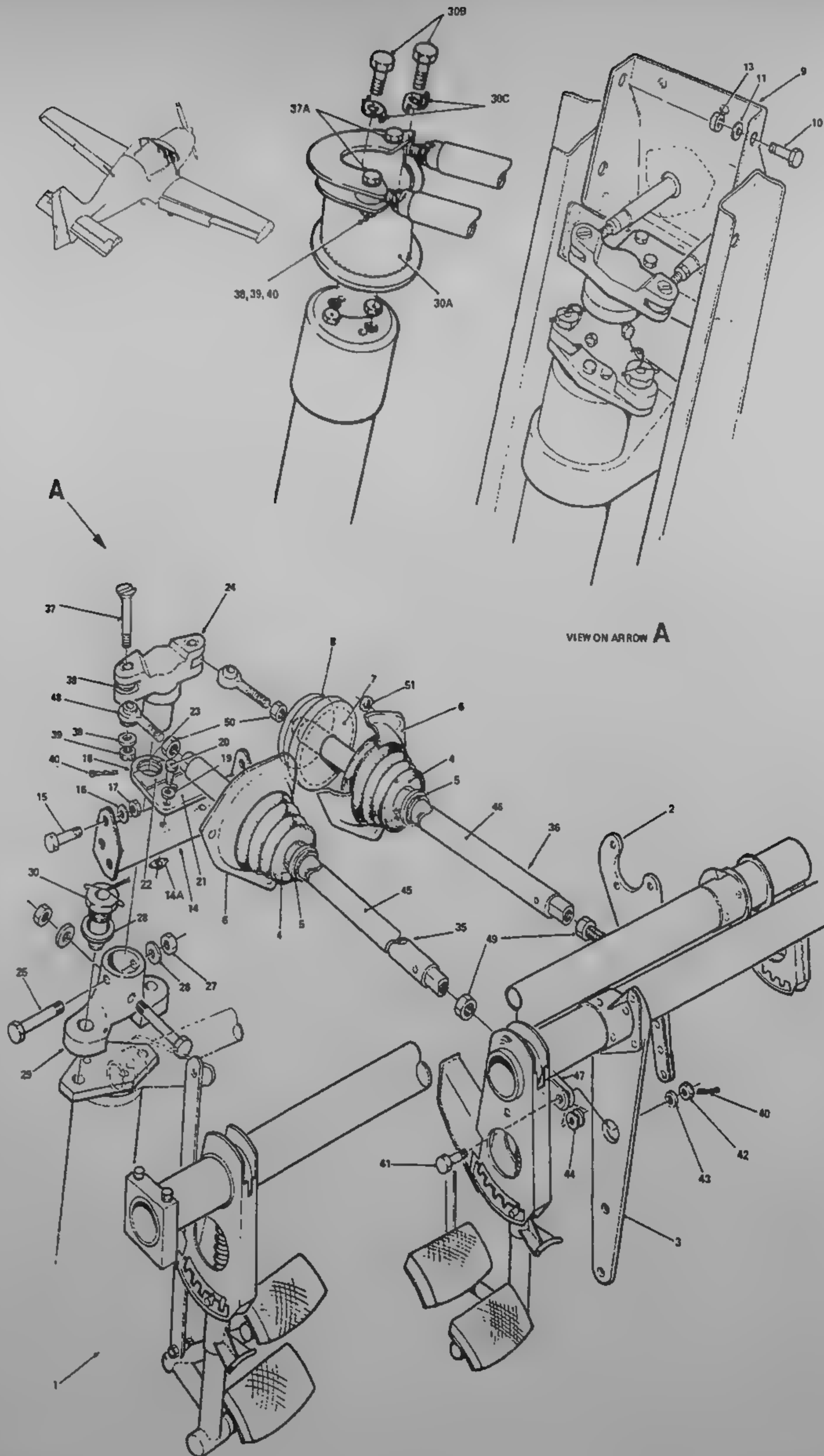
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Fig. 1 Nose landing gear

Landing Gear
Nose Landing Gear

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-	BH-41-005		Nose landing gear installation.....		RF
-1	BH-10-1973		. Channel assy., firewall reinforcing, port.....		RF
			Chap. 15-1, Fig. 2.....		
-2	BH-10-2233		. Channel assy., firewall reinforcing, stbd.....		RF
			Chap. 15-1, Fig. 2.....		1
R	AIR83518/1		. Strut assy., nose landing gear (Post Mod. 239).....		
R	AIR83516-0		Alternative.....		
			Attaching parts		
-4	BDS39-A102-5J		Bolt, 3/8 in. UNF.....		4
-5	SP126-J		Washer, facing.....		4
			Alternative.....		
	SP122-J		Washer.....		A/R
-6	BH-41-037		Shim, plate (Mod. 162).....		2
-7#			Wire, locking (DTD.189-22 SWG).....		A/R
			(Ref. No. 30A/9437135)		
-8	BDS39-A102-5J		Bolt, 3/8 in. UNF.....		2
-9	126-J		Washer, facing.....		2
			Alternative		
	SP122-J		Washer.....		A/R
-10	BH-41-037		Shim, plate (mod. 162).....		1
-11#			Wire, locking (DTD. 189-22 SWG).....		A/R
			(Ref. No. 30A/9437135)		
-12	9532926		. Wheel assy. (Goodyear).....		1
			Alternative		
	9532926-1		. Wheel assy. (Goodyear).....		1
-13	DR5872		. Tyre 5.00 x 5-4PR (Dunlop).....		1
-14	302-013-300		. Tube, inner, 5.00 x 5 (Goodyear).....		1
-15	BH-41-007P		. Disc, wheel.....		1
-16	A113-1/2C		. Bolt, 8-32 UNF.....		3
-17	MS35333-38		. Washer, locking.....		3

Item Not Illustrated



Landing Gear
Nose Wheel Steering

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
2-	BH-45-473	Nosewheel steering installation		RF
-1	BH-45-459	Rudder and brake pedals installation		RF
-2	BH-45-499	. . Lever, rudder torque tube, Chap. 19-1, Fig. 6		RF
-3	BH-45-501	. . Lever, rudder torque tube, Chap. 19-1, Fig. 6		RF
-4	BH-45-481	. Gaiter		2
-5	TY-7-0	. Ty-rop		2
-6	BH-45-261	. Cover		2
-7	BH-45-263	. Housing ..		2
-8	BH-45-265	. Bearing		2
-9	BH-45-475	. Bracket assy. ..		1
-10	A102-1D	. Bolt, 10-32 UNF ..		8
-11	SP126-D	. Washer ..		8
-13	H-10-3	. Nut (Kaylock)		4
R -14	BH-45-901	. Bracket, support bearing housing (Pre-Mod. 143) ..		1
R -14A	MK1000-3	. . Nut anchor (Kaylock) (Pre-Mod. 143) ..		3
R -15	A102-1D	. Bolt, 10-32 UNF (Pre-Mod. 143) ..		6
R -16	SP126-D	. Washer (Pre-Mod. 143) ..		6
R -17	H-10-3	. Nut (Kaylock) (Pre-Mod. 143) ..		6
R -18	BH-45-489	. Housing assy., bearing (Pre-Mod. 143) ..		1
R -19	SP126-D	. . Washer (Pre-Mod. 143) ..		3
R -20	A102-3D	. . Bolt, 10-32 UNF (Pre-Mod. 143) ...		3
R -21	BH-45-491	. . Housing, bearing (Pre-Mod. 143) ..		1
R -22	BH-45-493	. . Plate, bearing retaining (Pre-Mod. 143) ..		1
R -23	B-542-DD	. . Bearing (Fafnir) (Pre-Mod. 143) ..		1
R -24	BH-45-497	. Pick up, steering rod (Pre-Mod. 143) ..		1
R -25	A111-15D	. Bolt, 10-32 UNF (Pre-Mod. 143) ..		2
R -26	SP123-D	. Washer (Pre-Mod. 143) ..		2
R -27	A125-D-66	. Nut lock (Pre-Mod. 143) ..		2
R -28	SP123N	. Washer (Pre-Mod. 143) ..		2
R -29	BH-45-495	. Pick-up, nose leg (Pre-Mod. 143) ..		1
R -30	BE-45-10187	. Pin (Pre-Mod. 143) ..		2
R -30A	BH-41-035	. Pick up assy., nose leg steering (Mod. 143) ..		1
		Attaching parts		
R -30B	AIR155222	Bolt special		■
R -30C	SP42-G	Washer lock		2
-31 to -34	Not Used			
-35	BH-45-465	. Tube assy., control, port		1
-36	BH-45-467	. Tube assy., control, stbd.		1
		Attaching parts		
R -37	A173-7E	Bolt, 1/4 in. UNF (Pre-Mod. 143) ..		2
R -37A	A102-6E	Bolt (Mod. 143) ..		2
-38	SP127-1E	. Washer ..		4
-39	A110-ES	. Nut, slotted ..		2
-40	SP90-C7	. Pin, split ..		4
-41	A102-5-G	. Bolt, 5/16 in. UNF ..		2
-42	A110-GS	. Nut, slotted ..		2
-43	SP125-G	. Washer ..		2
-44	BE-45-10169/5	. Washer, packing ..		4
-45	BH-45-629	. . Tube, port ..		1
-46	BH-45-630	. . Tube, stbd.		1
-47	BE-45-10185	. . End, fork, port and stbd.		1
-48	BH-45-979	. . Bearing, spherical (Make from RMLVV-4U, Rose-Heim Uniball) ..		1
-49	BDS39/A103/GT	. . Nut, thin (R/H), port and stbd. (Make from 28M/9416047) ..		1
-50	BDS39/A103/GTL	. . Nut, thin (L/H), port and stbd. (Make from 28M/9416069) ..		1
-51	SP125-B	. . Washer ..		6

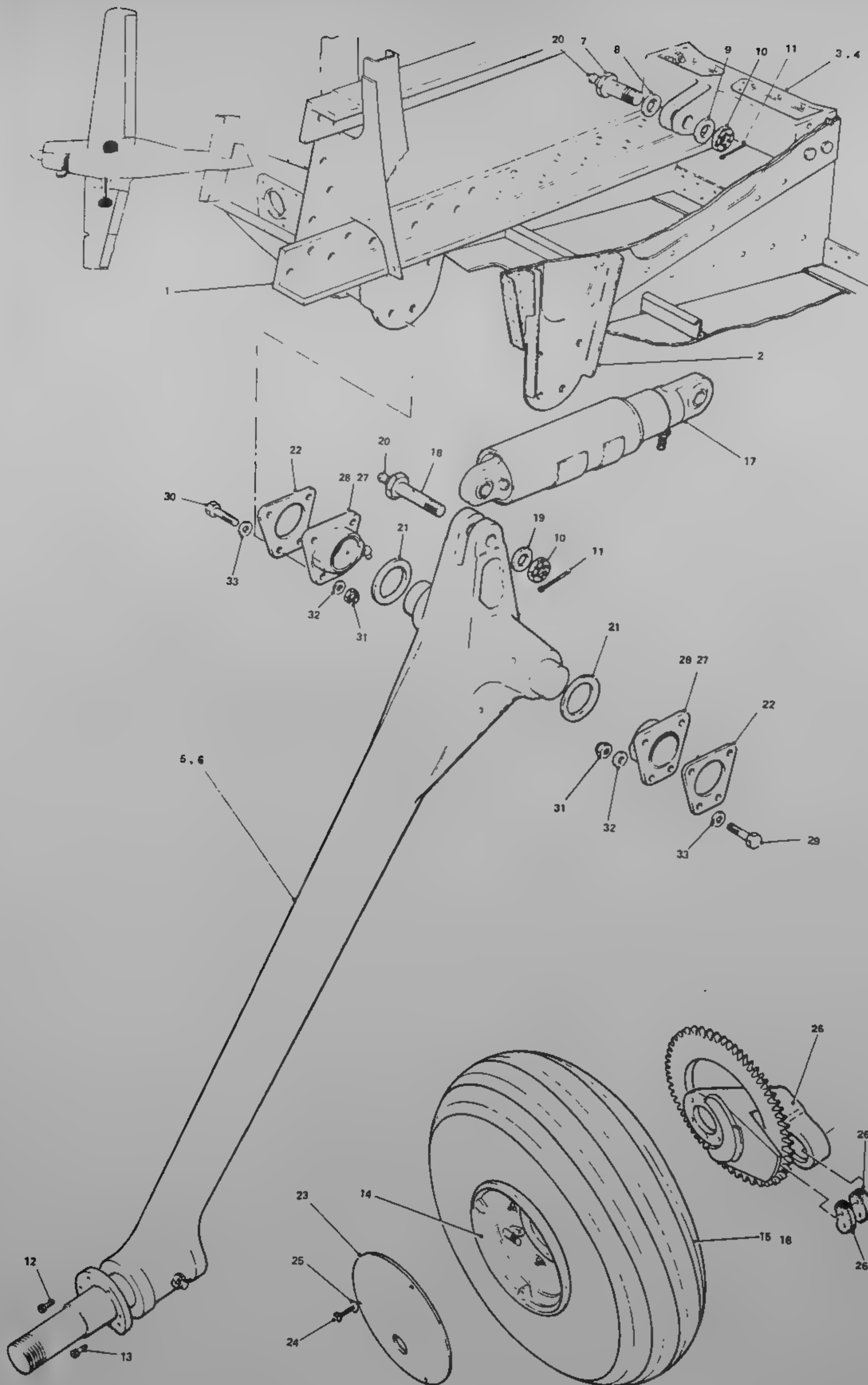
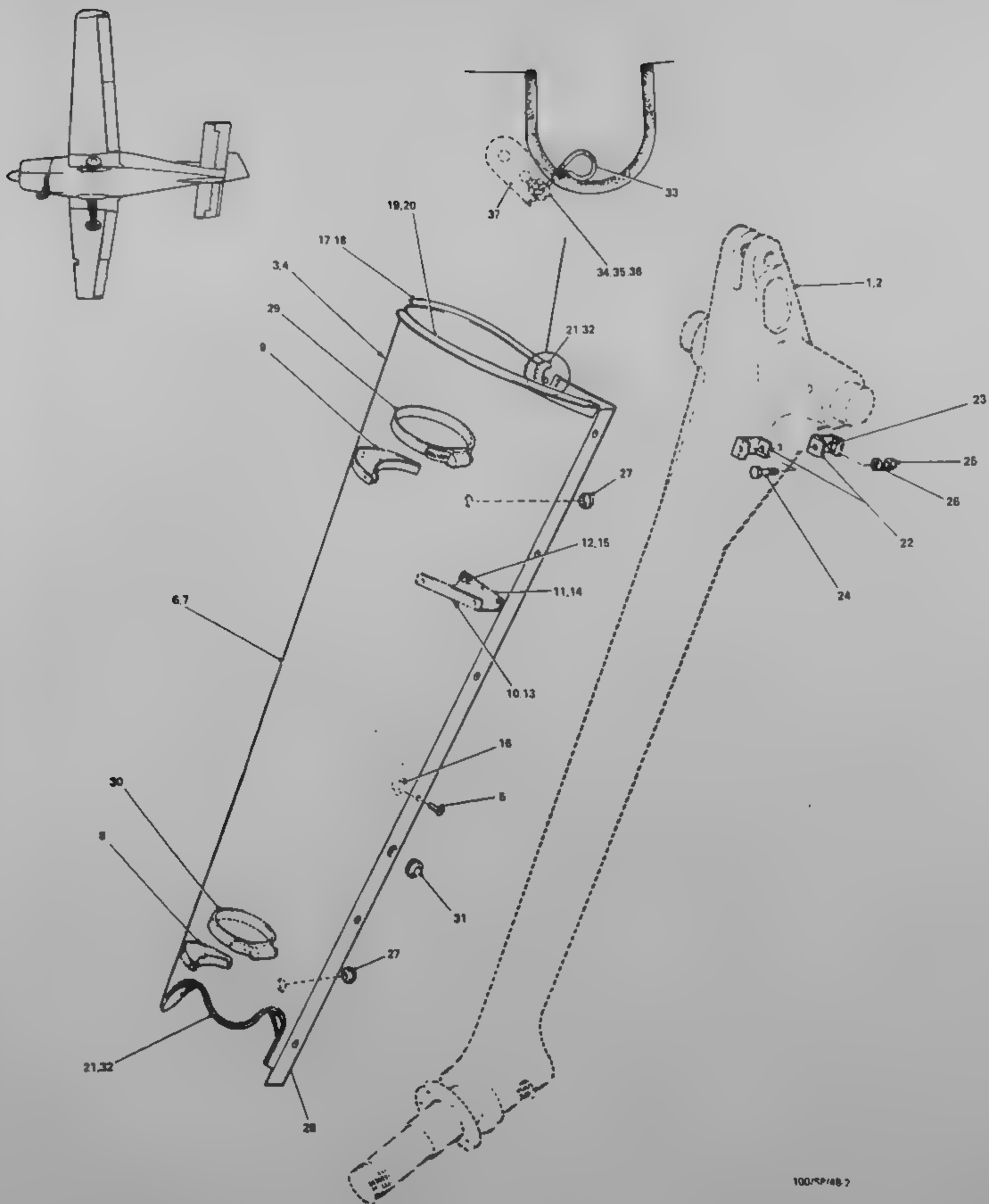


Fig. 3 Main landing gear

100/SP/47 1

Landing Gear
Main landing Gear

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
3-	BH-40-001/2		Main landing gear installation.....		RF
-1	BH-10-261		. Main spar assembly, stn.73.0 (Chap.51-2, Fig5)		RF
-2	BH-10-523		. Frame assembly, stn. 82.00 (Chap.15-2, Fig 6)		RF
-3	BE-10-50019		. Bracket U/C damper mounting, port (Chap. 15-3, Fig 3)		RF
-4	BE-10-50020		. Bracket U/C damper mounting, stbd. (Chap.15-3, Fig 3)		RF
-5	AIR116974/3		. Radius arm, port (Lockheed).....		1
-6	AIR116975/3		. Radius arm, stbd (Lockheed)		1
-7	BE-40-10021		. . Bolt, special		1
-8	SP126-Q		. . Washer		1
-9	SP125-Q		. . Washer		1
-10	A110-QS		. . Nut, slotted, thin		2
-11	SP90-G10		. . Pin, split.....		2
-12	AIR119012		. . Bolt, cap hd, brake attachment (Lockheed).....		2
-13	AIR119014		. . Bolt, cap hd, brake attachment (Lockheed).....		3
-14	9532522-1		. Wheel assembly, port and stbd. (Goodyear)		1
			Ref.AP104F-3800-13A		
-15	DR7731		. Tyre 6.00 X 6-4PR (DUNLOP).....		1
-16	GA-39		. Tube 600 X 6 (Goodyear).....		1
-17	AIR70230/1		. Shock absorber, main (Lockheed)		1
-18	AIR113048		. Pin (Lockheed)		1
-19	SP122-Q		. Washer		1
-20	SP117		. Nipple, grease		2
-21	BE-40-10007		. Washer, thrust, port and stbd.....		2
-22	BE-40-10003		. Shim, port and stbd		1
-23	BH-40-009P		. Disc, port and stbd		1
-24	A113-1/2C		. Screw, pn hd, 8-32 UNC		3
R -25	MS35333-38		. Washer, lock		3
-26	9532181		. Brake assembly, port and stbd. (Goodyear) (Pre Mod 253)		1
	9532181-2		. Brake assembly, port and stbd. (Goodyear) (Mod 253).....		1
			(Ref.AP104F-3800-13A).....		
-26A	9511269-2		. . Brake lining (Goodyear) (Mod 253).....		1
-26B	9511271-2		. . Brake lining (Goodyear) (Mod 253).....		1
-27	BH-10-3661		. Bearing assembly, port (Chap.15, Fig.5).....		RF
-28	BH-10-3662		. Bearing assembly, stbd. (Chap.15-2, Fig.5)		RF
-29	A111-4G		. Bolt, hex, hd, 5/16in. UNF.....		4
-30	A111-5G		. Bolt, hex. hd, 5/16in. UNF.....		4
-31	A125-G		. Nut.....		4
-32	SP122-G		. Washer		4
-33	SP126-G		. Washer		4



100/SP/48.2

Fig.4 Main Landing Gear Fairing

Landing Gear
Main Landing Gear Fairing

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-1	AIR116974		Radius arm, port (Lockheed) Fig.3.....		RF
-2	AIR116975		Radius arm, stbd.(Lockheed) Fig.3.....		RF
R -3	BH-10-3649		. Fairing assembly,main leg,port(Mod 121)(Pre mod 216).		1
R -3	BH-10-3873		. Fairing assembly,main leg,port (Mod 216).....		1
R -4	BH-10-3650		. Fairing assembly,main leg,stbd (Mod 121)(Pre mod 216)		1
R -4	BH-10-3874		. Fairing assembly,main leg,stbd (Mod 216).....		1
R -5	A113-1/2B		. . Bolt 6-32 UNC.....		6
R -6	BH-10-2367		. . Skin, fairing,port (Mod 121) (Pre-Mod 216).....		1
R -6	BH-10-3865		. . Skin fairing,port (Mod 216).....		1
R -7	BH-10-2368		. . Skin,fairing,stbd (Mod 121) (Pre-Mod 216).....		1
R -7	BH-10-3866		. . Skin fairing,stbd (Mod 216).....		1
-8	BE-10-10153/9		. . Rib,lower nose,port and stbd.....		1
-9	BE-10-10153/7		. . Rib,upper nose, port and stbd.....		1
-10	BE-10-10153/20		. . Rib assy, port.....		1
-11	BE-10-10153/17		. . . Rib.....		1
-12	F5000-06BC		. . . Nut,anchor (Kaylock).....		2
-13	BE-10-10153/19		. . Rib assy. stbd.....		1
-14	BE-10-10153/17		. . . Rib.....		1
-15	F5000-06BC		. . Nut,anchor (Kaylock).....		2
-16	MF1000-06		. . Nut,anchor (Kaylock).....		6
-17	BE-10-11133		. Angle,port.....		1
-18	BE-10-11134		. Angle,stbd.....		1
-19	BE-10-10903		. Angle,port.....		1
-20	BE-10-10904		. Angle,stbd.....		1
-21	G51-HA		. Grommet,flexiform,port and stbd (Hellerman Deutsch)..		AR
-22	BE-10-10993		. Channel, port and stbd.....		2
-23	MF1000-06		. Nut,anchor (Kaylock).....		1
-24	A102-5E		. Bolt 1/4" UNF.....		1
-25	H-10-4		. Nut (Kaylock).....		1
-26	SP126-E		. Washer.....		1
-27	FT-180330		. Grommet,blank,port and stbd. (Carr Fasteners).....		2
-28	BE-10-15153/15		. Strip,sealing port and stbd.....		1
-29	SP91-M		. Clip,wormdrive,port and stbd.....		1
-30	SP91-K		. Clip,wormdrive,port and stbd.....		1
-31	G51H-B		. Grommet,flexiform,port (Hellerman Deutsch).....		1
-32	EC776		. Adhesive (33H/2245038).....		A/R
-33	AGS2080/3		. Clip,'P' rubber covered (Mod.121).....		1
* -34	A102-1/2B		. Bolt.....		1
-35	SP126-B		. Washer.....		1
-36	H-10-06		. Nut No.6-32 UNC.....		1
* -37	BH-10-3651		. Angle,support, 'P' clip (Mod 121).....		1

* Items marked thus will be supplied loose with fairing assemblies BH-10-3649
and BH-10-3650

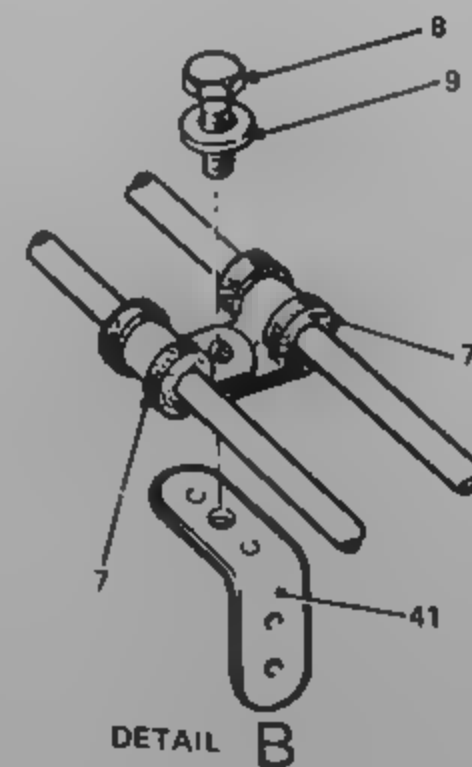
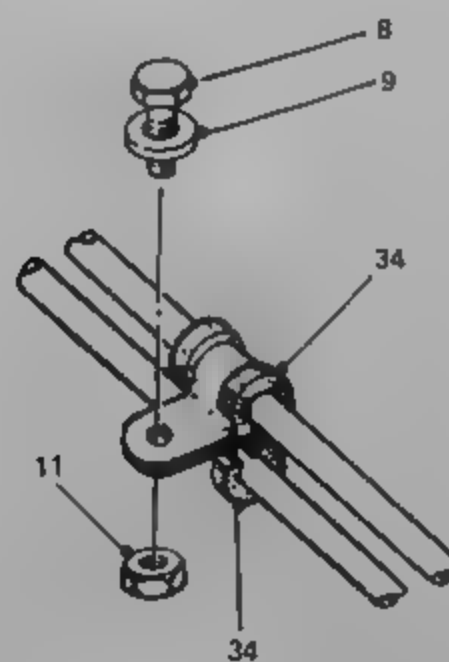
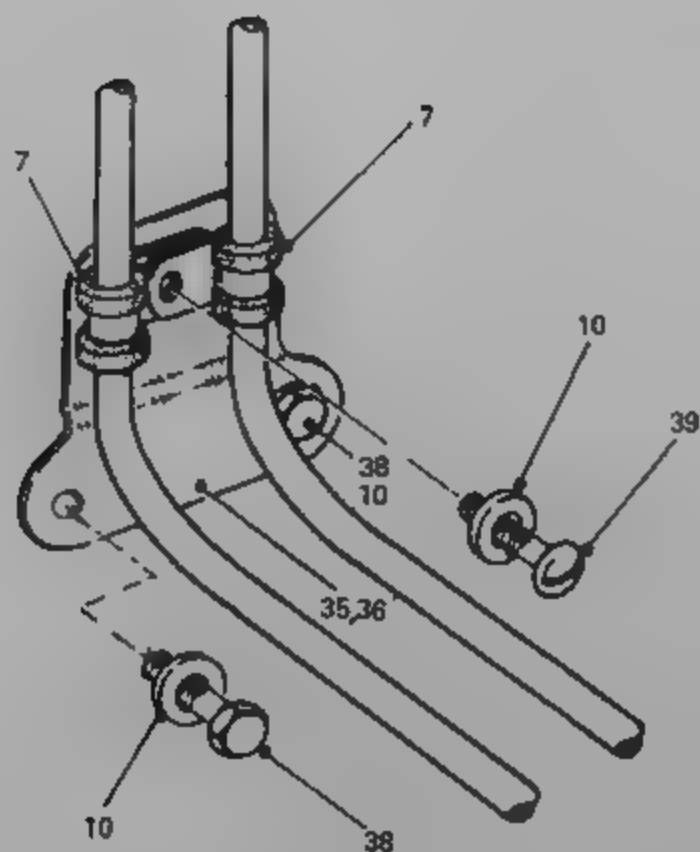
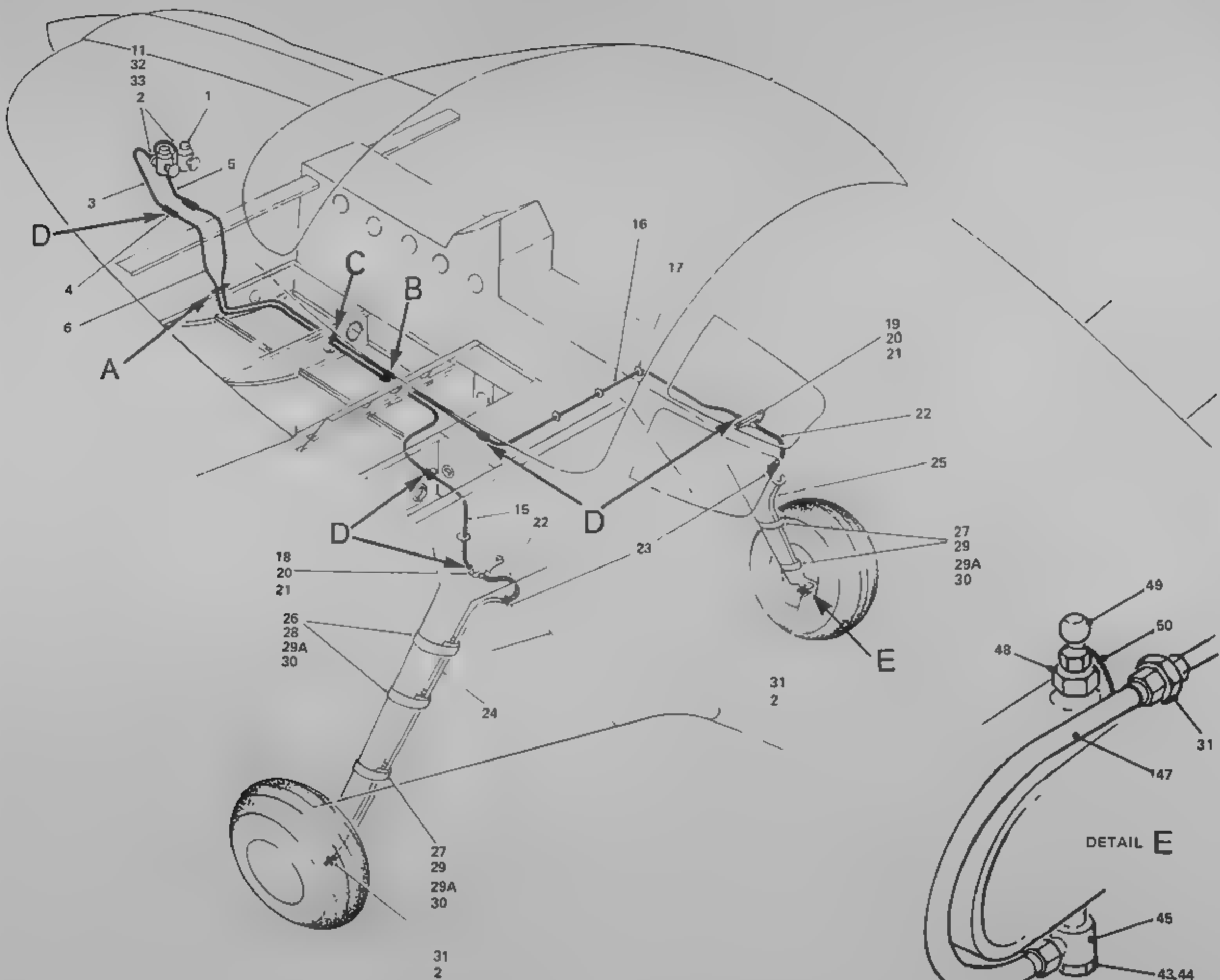
Chapter 20

LANDING GEAR

Section 2

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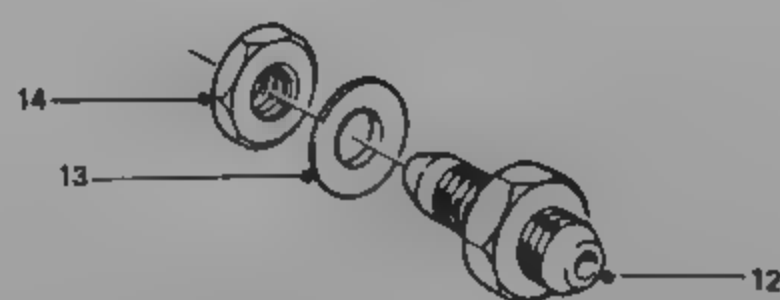
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DETAIL A

DETAIL C

DETAIL B



DETAIL D

TYPICAL BULKHEAD CONNECTION

100/SP/43-3

Landing Gear
Brake System

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
1-	BH-49-049	Brake hydraulic system (Mod 107) (Ref AP105B-1323-13A).							RF
-1	BH-49-187	. Cylinder,brake master, port, Fig.2.....							RF
	BH-49-189	. Cylinder,brake master, stbd. Fig.2.....							RF
-2	MS28778-4	. Ring 'O' sealing.....							4
		Alternative							
	AN6290-4	. Ring, 'O' sealing.....							4
-3	BH-49-191	. Pipe assy.....							2
-4	AN832-3	. Adaptor,union (Chapter 15-1, Fig.2).....							RF
-5	BH-49-195	. Pipe assy, stbd.....							1
-6	BH-49-193	. Pipe assy, port.....							1
-7	AS3180-3C	. Clip 'P' rubber covered.....							4
-8	A102-1C	. Bolt.....							2
-9	SP126-C	. Washer.....							4
-10	SP126-D	. Washer.....							3
-11	A125-C66	. Nut.....							2
-12	AN832-3D	. Adaptor, union.....							4
-13	AN960-D-616	. Washer.....							4
-14	AN924-3	. Nut, locking.....							4
-15	BH-49-197	. Pipe assy, port.....							1
-16	BH-49-199	. Pipe assy, stbd.....							1
-17	BE-49-10085	. Grommet.....							4
-18	BE-49-10059	. Bracket, port side.....							1
-19	BE-49-10057	. Bracket, stbd side.....							1
-20	A102-1/2C	. Bolt, 8-32 UNC.....							4
-21	SP126-C	. Washer.....							4
-22	BH-49-219	. Hose assy.....							2
-23	AN815-3	. Adaptor union.....							2
R -24	BH-49-205	. Pipe assy, port (Pre-Mod 216).....							1
R -25	BH-49-243	. Pipe assy, port (Mod 216).....							1
R -25	BH-49-206	. Pipe assy, stbd (Pre-Mod 216).....							1
R -25	BH-49-244	. Pipe assy, stbd (Mod 216).....							1
-26	BE-49-10083	. Block,clamp.....							2
-27	BE-49-10041	. Block,clamp.....							3
-28	SP91-N	. Clip,hose (Pre-Mod 208).....							3
-29	SP91-M	. Clip,hose (Pre-Mod 208).....							2
-29A	TY-27M	. Strap "Tyrap" 27M (Mod 208).....							5
R -30	BH-49-209	. Sleeve rubber,split-use with items 24 and 25.....							5
-31	AN919-2D	. Adaptor,union.....							4
-32	A102-3G	. Bolt,hex.hd., 5/16 ins. UNF.....							4
-33	SP124-G	. Washer.....							4
-34	AS3180-3B	. Clip, 'P'.....							2
-35	BH-10-3621	. Plate assy, attachment (Mod 107).....							1
-36	BH-10-3623	. . Plate,detail (Mod 107).....							1
# -37	MK1000-3	. . Nut,anchor (Mod 107).....							1
-38	A102-1D	. Bolt 10-32 UNC.....							1
-39	A113-1/2D	. Bolt.....							1

Items not illustrated

Landing Gear
Brake System

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-40	BH-10-3617		. Cleat assy (Mod 107).....		1
-41	BH-10-3619		. . Cleat,detail (Mod 107).....		1
# -42	MK1000-08		. . Nut,anchor (Kaylock) (Mod 107).....		1
R -43	AN775-4D		. Bolt universal (Mod 216).....		2
R -44	MS28778-6		. Ring 'O' sealing (Mod 216).....		2
R -45	AN776-4D		. Elbow universal (Mod 216).....		2
R # -46	BH-49-241		. Pipe assembly, port (Mod 216).....		1
R -47	BH-49-242		. Pipe assembly, stbd (Mod 216).....		1
R -48	E21340		. Bleeder Assy (Mod 216).....		2
R -49	No.3		. Lubricap (Mod 216).....		2
R -50	-		. Wire locking 22 SWG (Ref 30A/9437135).....		A/R

Item not illustrated

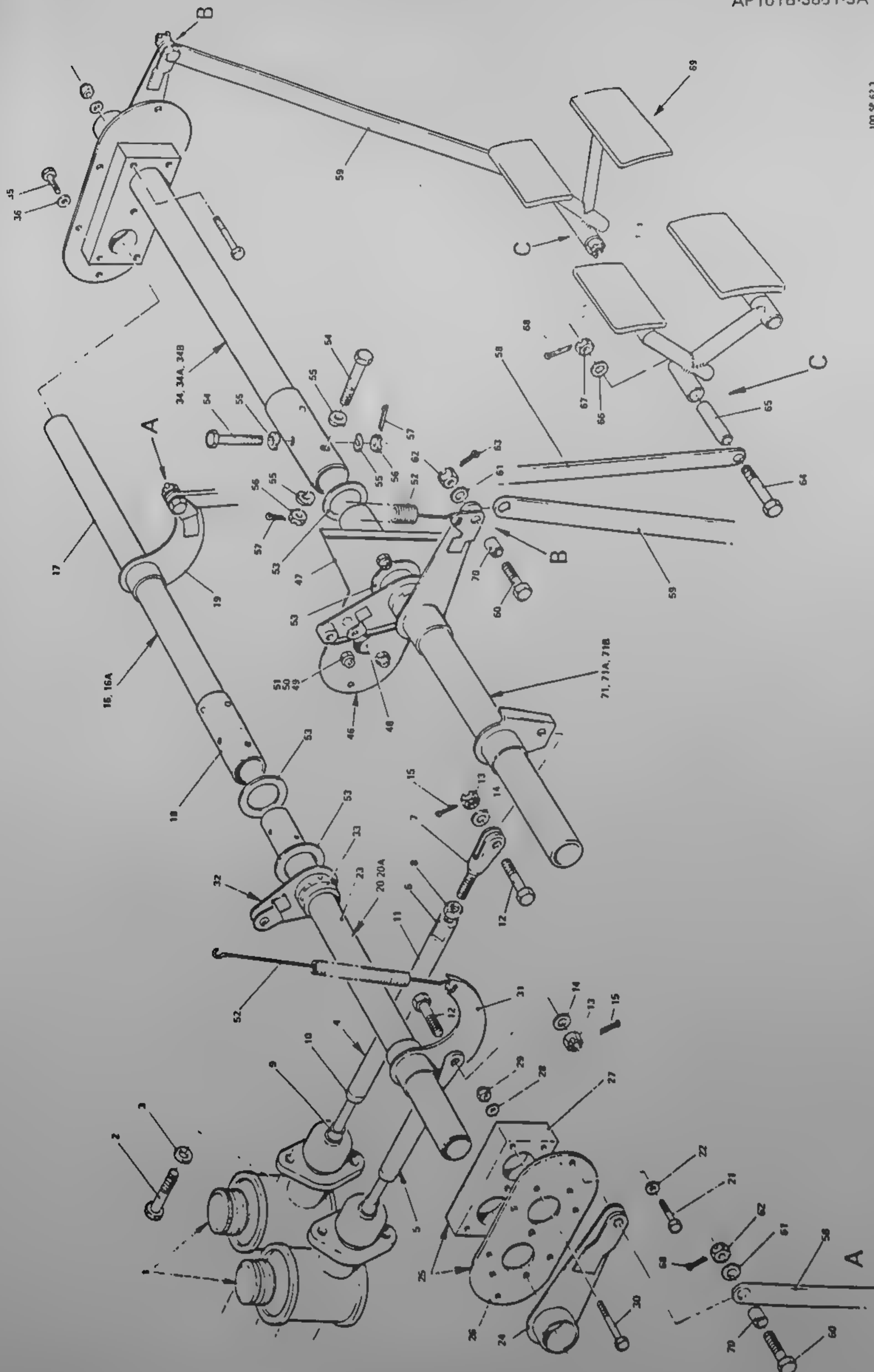


Fig. 2 Footbrake Controls

Landing Gear
Brake Pedal Installation

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
2-	BH-49-041	Brake pedal installation		RF
-1	BH-49-187/189	. Cylinder assy., brake master, port and stbd		1
		(For Spares see AP105B—1323—13A)		
		(AIR70274 - Modified)		
		Attaching parts		
-2	A102-3G	Bolt, 5/16 in. UNF		2
-3	SP124-G	Washer		2
-4	BH-49-163	. Rod sub-assy. - long		1
-5	BH-49-161	. Rod sub-assy. - short		1
-6	BH-49-157	. End, tube		1
-7	BH-49-159	. End, fork		1
-8	A103-GT	. Nut, thin		1
-9	BH-49-201	. End, rod		1
-10	AS2808/7/030	. Tube, distance		1
-11	BH-49-165	. Tube - short		1
	BH-49-167	. Tube - long		1
-12	A102-4D	. Bolt, 10-32 UNF		2
-13	A103-DS	. Nut, slotted		2
-14	SP124-D	. Washer		2
-15	SP90-C7	Pin, split		2
-16	BH-49-095	Tube assy., torque - stn. 38.3, stbd. (Pre-Mod. 148)		1
-16A	BH-49-225	. Tube assy., torque - stn. 38.3, stbd. (Mod. 148)		1
-17	BH-49-023	. Tube, torque		1
-18	BH-49-099	. Collar, retaining (riveted)		1
-19	BH-49-031	. Lever assy., brake (riveted)		1
-20	BH-49-097	. Tube assy., torque - stn. 38.3, port (Pre-Mod. 148)		1
-20A	BH-49-227	. Tube assy., torque - stn. 38.3, port (Mod. 148)		1
-21	A102-1/2C	. Bolt, 8-32 UNF		6
-22	SP126-C	. Washer		6
-23	BH-49-021	. Tube, torque		1
-24	BH-49-029	. Lever assy. (riveted)		1
-25	BH-10-1285	. Bearing assy.		1
-26	BH-10-1283	. Flange, retaining		1
-27	BE-10-10483	. Bearing		1
-28	SP122-C	. Washer		5
-29	A125-C	. Nut		5
-30	A102-10C	. Bolt, 8-32 UNC		5
-31	BH-49-155	. Lever assy. (riveted)		1
-32	BH-49-105	. Lever assy. (riveted)		1
-33	BH-49-179	. Stop (riveted)		2
-34	BH-49-093	. Tube assy., torque - stn. 40.6 stbd. (Pre-Mod. 148)		1
R -34A	BH-49-223	Tube assy., torque - stn. 40.6 stbd. (Mod. 148) (Pre-Mod. 191)		1
R -34B	BH-49-237	. Tube assy., torque - stn. 40.6 stbd. (Mod. 191)		1
		Attaching parts		
-35	A102-1/2-C	Bolt, 8-32 UNC		6
-36	SP126-C	Washer		6
R -37 to -45		Not used		
-46	BH-10-1295	. Panel assy., brake mounting		1
-47	BH-10-1297	. Panel		1
-48	BE-10-10483	. Bearing		5
-49	A113-5C	. Bolt, 8-32 UNC		5
-50	A125-C	. Nut, stiff		10
-51	SP126-C	. Washer		2

Landing Gear
Brake Pedal Installation

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-52	BH-49-081	.	Spring, tension		2
-53	BE-49-10047	.	Washer		4
-54	A102-13D	.	Bolt, 10-32 UNF		4
-55	AS1903-C10	.	Washer, saddle		8
-56	A103-DS	.	Nut, slotted		4
-57	SP90-C7	.	Pin, split		4
-58	BH-49-047	.	Link, connecting		2
-59	BH-49-203	.	Rod, connecting		2
-60	A102-3D	.	Bolt, 10-32 UNF		4
-61	SP126-D	.	Washer		4
-62	A103-DS	.	Nut, slotted		4
-63	SP90-C7	.	Pin, split		4
-64	A102-11D	.	Bolt, 10-32 UNF		4
-65	AS2806/4/114	.	Tube, distance ...		4
-66	SP122-D	.	Washer		4
-67	A103-DS	.	Nut, slotted		4
-68	SP90-C7	.	Pin, split		4
-69	BH-45-459	.	Rudder and brake pedals installation Chap. 19—1, Fig. 6		RF
-70	AS2806/4/035	.	Tube, distance ...		1
-71	BH-49-091	.	Tube assy., torque - stn. 40.6, port (Pre-Mod. 148)		1
-71A	BH-49-221	.	Tube assy., torque - stn. 40.6, port (Mod. 148) (Pre-Mod. 191)		1
R -71B	BH-49-239	.	Tube assy., torque - stn. 40.6, port (Mod. 191)		1

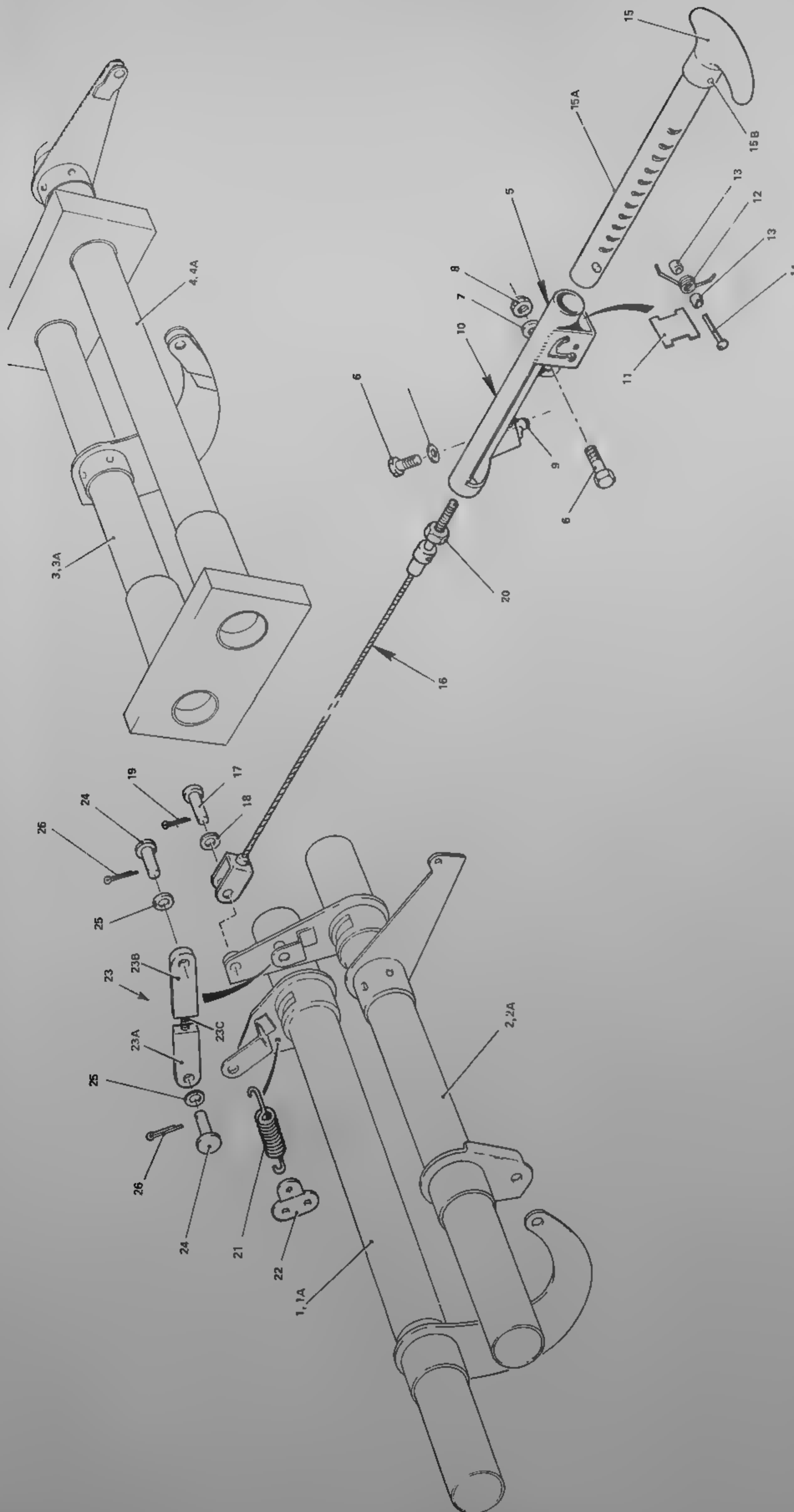


Fig.3 Handbrake Controls
(Illustration revised)

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-	BH-49-041		Handbrake controls installation.....		RF
-1	BH-49-097		. Torque tube assy, stn 38.3, port, Fig.2(Pre-Mod.148)...		RF
-1A	BH-49-227		. Torque tube assy, stn 38.3, port, Fig.2(Mod.148).....		RF
-2	BH-49-091		. Torque tube assy, stn 40.6, port, Fig.2(Pre-Mod.148)...		RF
R-2A	BH-49-221		. Torque tube assy, stn 40.6, port, Fig.2(Mod.148).....		RF
-3	BH-49-095		. Torque tube assy, stn 38.3, stbd, Fig.2(Pre-Mod.148)....		RF
R-3A	BH-49-225		. Torque tube assy, stn 38.3, stbd, Fig.2(Mod.148).....		RF
-4	BH-49-093		. Torque tube assy, stn 40.6, stbd, Fig.2(Pre-Mod.148)...		RF
-4A	BH-49-223		. Torque tube assy, stn 40.6, stbd, Fig.2(Mod.148).....		RF
-5	BH-49-123		. Brake assy., hand.....		1
			Attaching parts		
-6	A102-1D		Bolt, 10-32 UNF.....		2
-7	SP127-D		Washer.....		2
-8	H-10-3		Nut, Kaylock.....		1
-9	MK1000-3		Nut, Anchor, Kaylock.....		1
-10	BH-49-125		. . Body assy.		1
-11	BE-49-10009		. . Plate, catch.....		1
-12	BE-49-10011		. . Spring.....		1
-13	AS2809-3-028		. . Spacer.....		2
-14	SP76-412		. . Rivet.....		1
-15	BH-49-137		. . Handle.....		1
-15A	BH-49-141		. . Tube, control.....		1
-15B	SP71-412		. . Rivet.....		1
-16	BH-49-133		. Cable assy.		1
			Attaching parts		
-17	SP4-YB4		Pin.....		1
-18	SP127-D		Washer.....		1
-19	SP90-C-6		Pin, split.....		1
-20	A103-DT		Nut, lock.....		1
-21	BH-49-051		. Spring, return.....		1
-22	BH-10-1521		. Lug.....		1
-23	BH-49-211		. Link, connecting, adjustable assy.		1
-23A	BH-49-213		. . Link.....		1
-23B	BH-49-215		. . Link.....		1
-23C	BH-49-217		. . Stud.....		1
-24	SP4-YB4		. Pin.....		2
-25	SP127-D		. Washer.....		2
-26	SP90-C-6		. Pin, split.....		2

Chapter 23
AIR CONDITIONING SYSTEM

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Chapter 23
AIR CONDITIONING SYSTEM

Section 1

CONTENTS

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Control valves	4

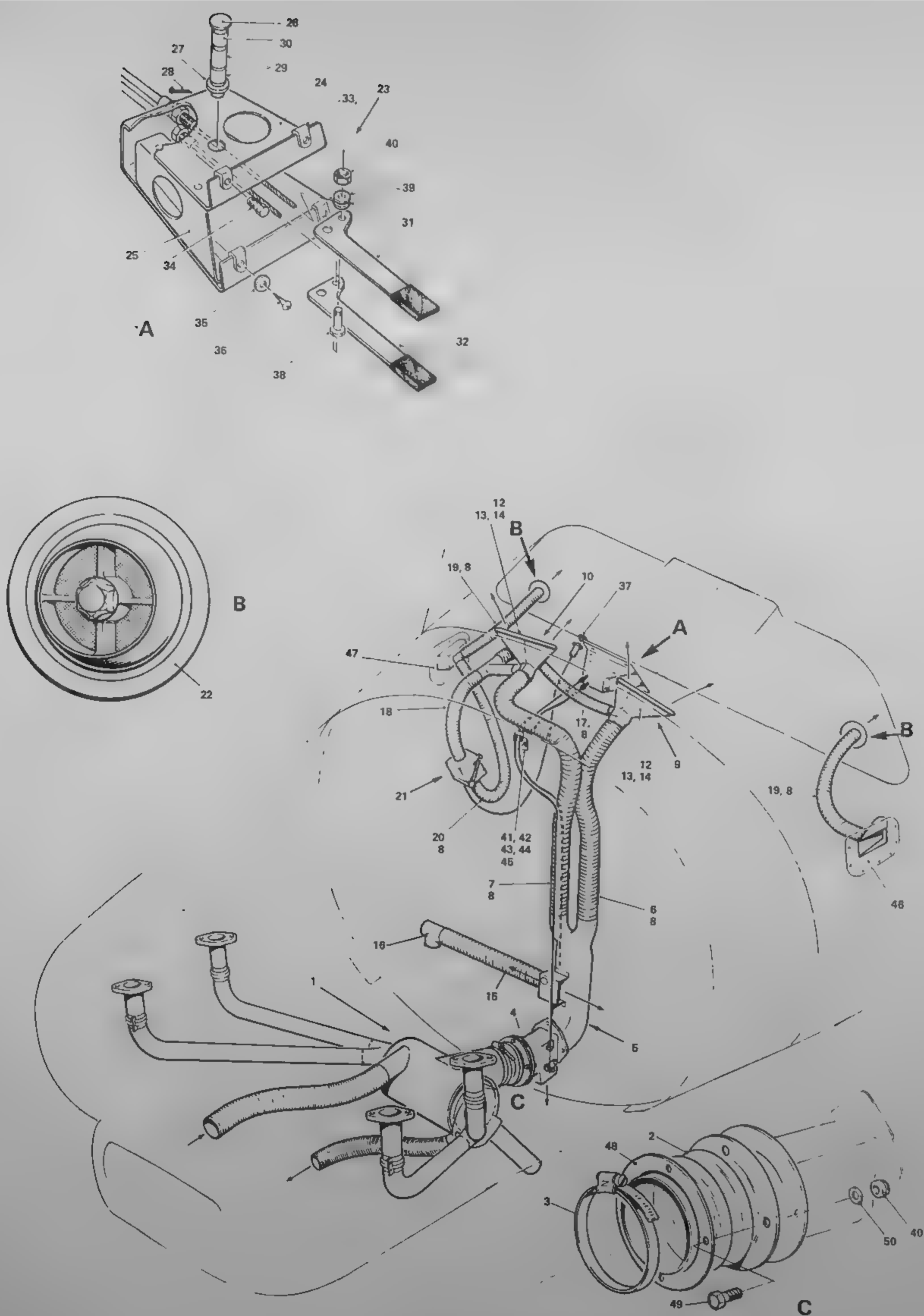


Fig. 1 Supply and distribution

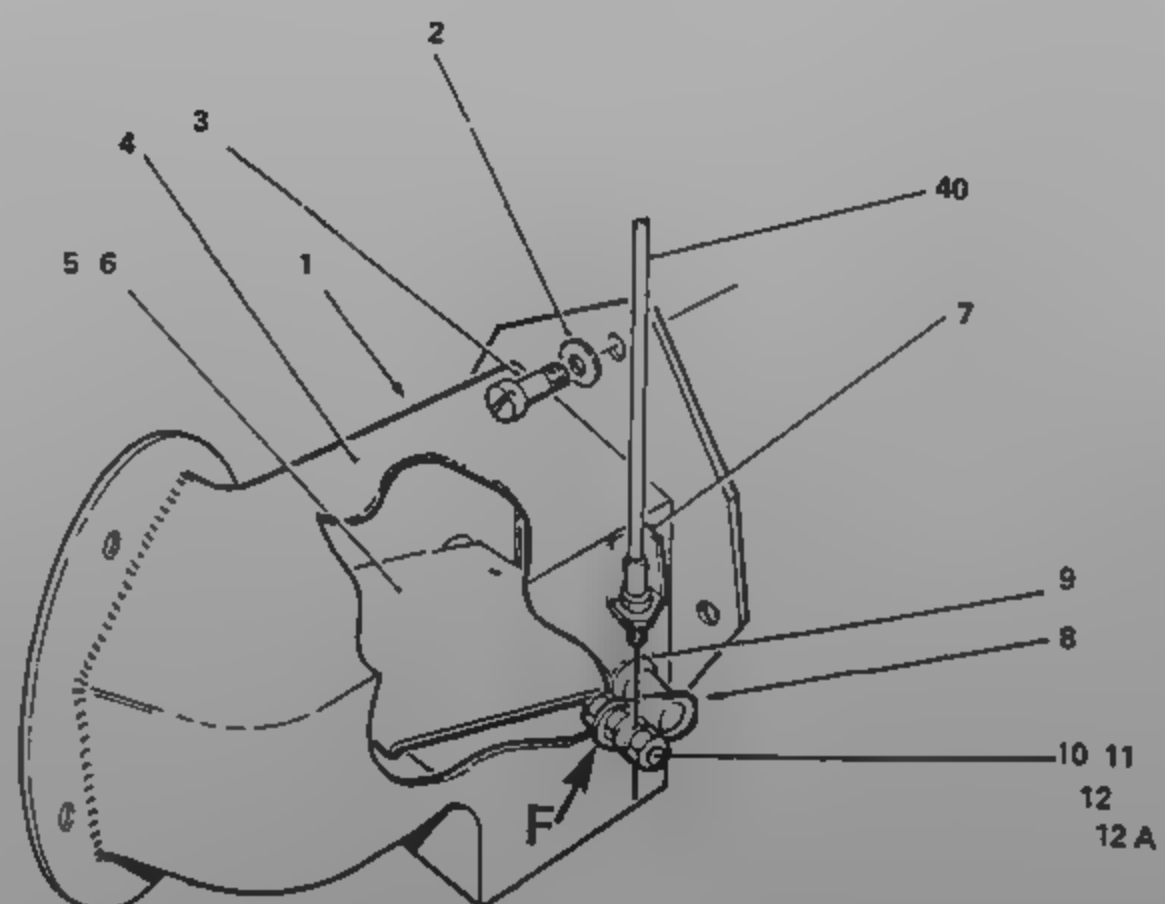
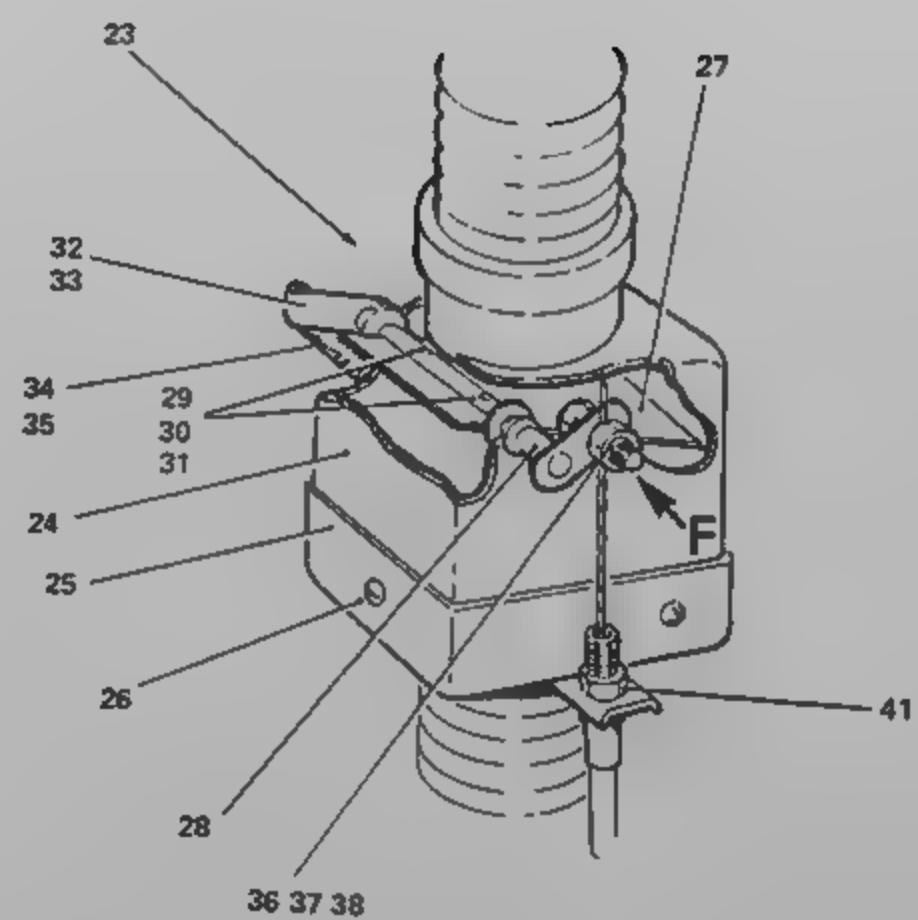
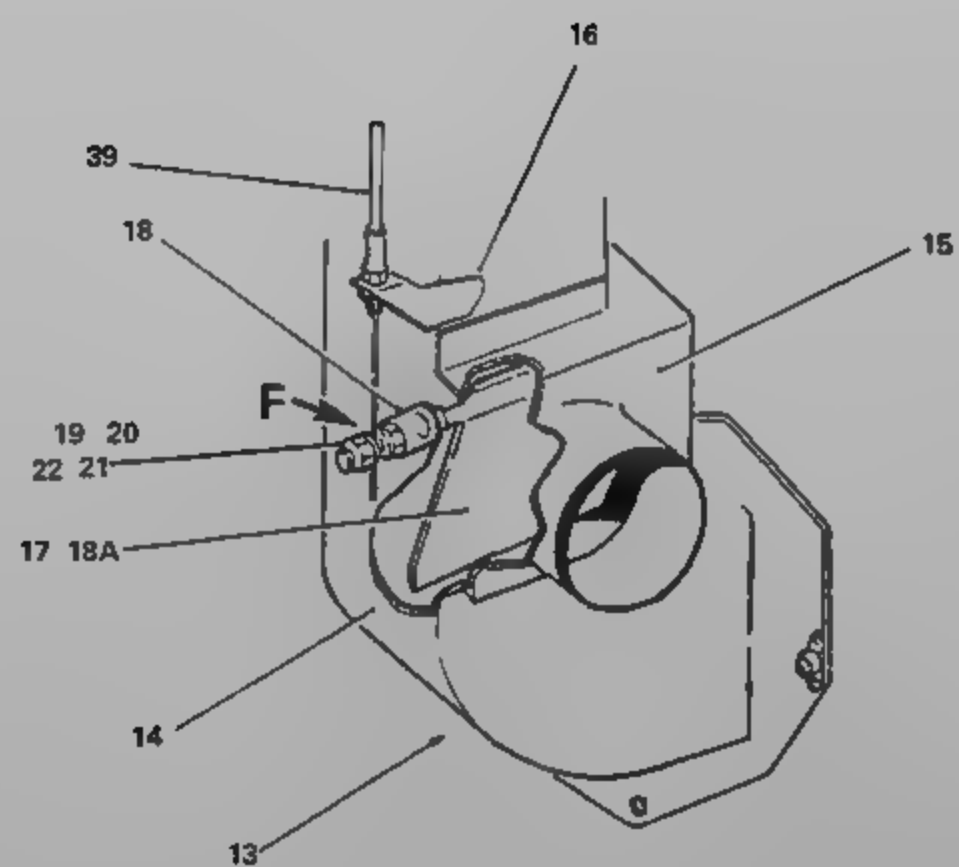
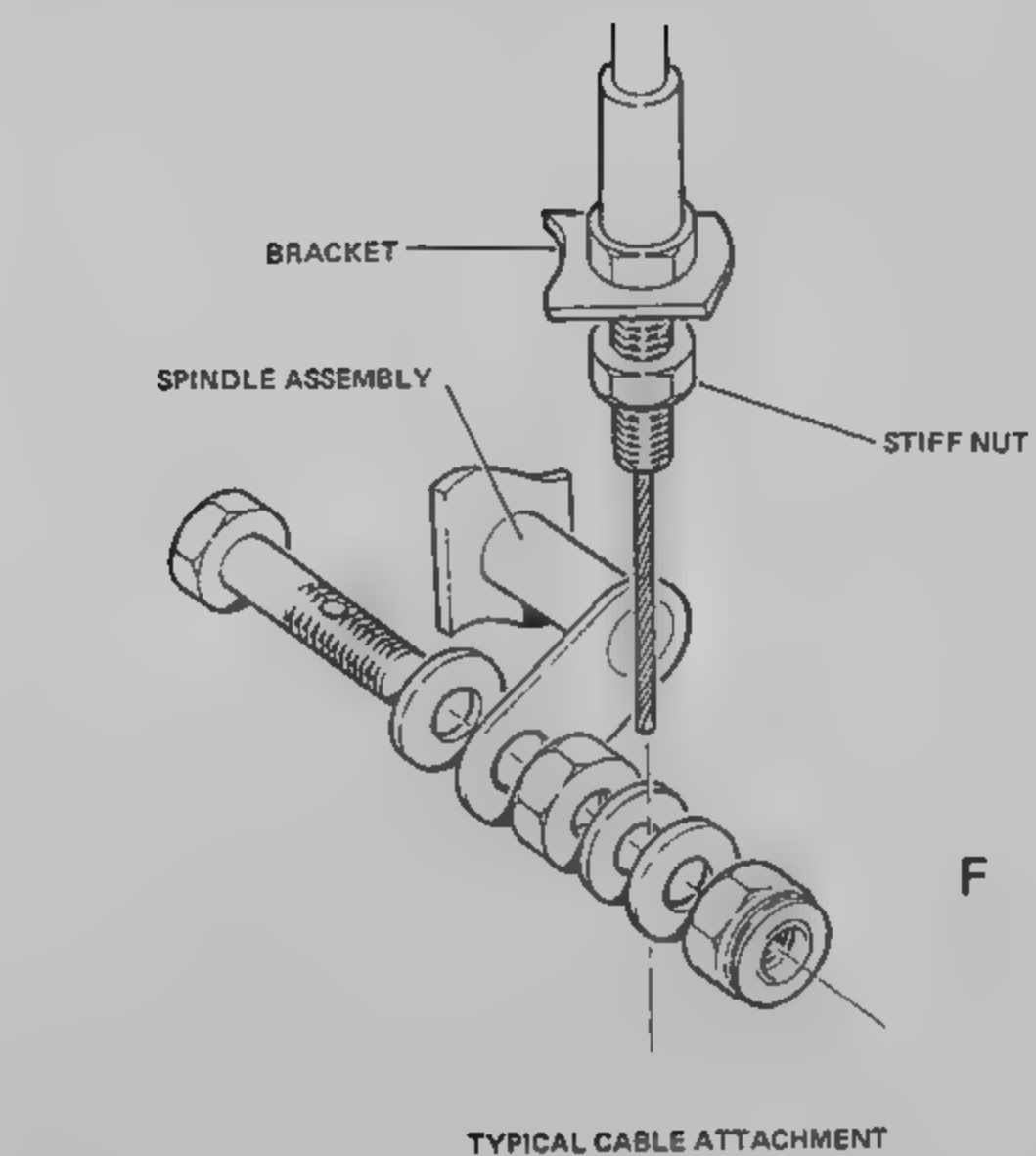
100/SP/95

Air Conditioning System
Supply and Distribution

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-74-203		Air conditioning system.....		RF
-1	BH-53-283		. Exhaust system, Chap. 40-1, Fig. 2, Mod.68.....		RF
-2	BH-74-371		. Bellows.....		1
-3	SP91-N		. Clip, hose.....		1
-4	BH-74-367		. Valve assy, temperature control (Fig. 2).....		RF
-5	BH-74-205		. Duct assy, bottom bend (Fig. 2).....		RF
R -6	BH-74-270		. Duct, flexible, 2 in. i/d.....		1
R -7	BH-74-271		. Duct, flexible, 2 in. i/d.....		1
-8	TY-27M		. Fastener (Tyrap).....		A/R
-9	BH-74-253		. Outlet assy, port, demist.....		1
-10	BH-74-254		. Outlet assy, stbd., demist.....		1
			Attaching parts (port and stbd.)		
-12†	A102-4D		Bolt, 10-32 UNF.....		4
-13†	SP124-D		Washer.....		8
-14†	MK1000-3		Nut, anchor, 10-32 UNF.....		4
-15	BH-74-269		. . Duct, flexible.....		1
-16	BH-74-263		. . Elbow.....		1
-17	BH-74-274		. Duct, flexible, 1 in. i/d.....		1
-18	BH-74-273		. Duct, flexible, 1 in. i/d.....		1
-19	BE-74-10011		. Duct, flexible, 1 in. i/d, port and stbd.		1
-20	BH-74-272		. Duct, flexible, 1 in. i/d.....		1
-21	BH-74-009		. Valve assy, demist control (Fig. 2).....		RF
-22	No. 36		. Louvre assy, cold air (Clear Hooters Ltd.), Chap. 28-2 Fig. 2)...		RF
-23	BH-74-049		. Lever assy, temperature, flow control.....		RF
-24	BH-74-053		. . Bracket.....		1
-25	BH-74-051		. . Channel, riveted.....		1
-26	SP4Y-B22		. . Pin, clevis.....		1
-27	SP126-D		. . Washer.....		1
-28	SP90-C4		. . Pin, split.....		1
-29	BH-74-363		. . Tube, distance.....		2
-30	BH-74-365		. . Tube, distance.....		1
-31	BH-74-285		. . Lever assy, temperature control.....		1
-32	BH-74-283		. . Lever assy, flow control.....		1
-33	SL210-08-1		. . Nut, clip (Shurlock).....		4
-34	A102-1/2C		. Bolt, upper attachment, 8-32 UNC.....		2
-35	SP126-C		. Washer, lower attachment.....		2
-36	A116-1/2C		. Screw, pan head, lower attachment, 8-32 UNC.....		2
-37	BH-74-033		. Cable assy, de-mist control.....		1
-38	BH-47-051		. Bolt, clinch (Make from 28DU/9419565).....		2
*	SA/BH/279/1		. Bolt, clinch (Make from 28DU/9414340).....		1
-39	SP127-D		. Washer.....		4
*	SP127-E		. Washer.....		2
-40	H-10-3		. Nut (Kaylock).....		2
*	A110-ES		. Nut, slotted.....		1
-41	AS3180-3C		. Clip, 'P'.....		2
-42	BH-74-289		. Cleat.....		1
-43†	A126-D		. Nut, stiff.....		1
-44†	A102-1/2D		. Bolt, 10-32 UNF.....		1
-45	G51PA		. Grommet, flexiform (Hellermann).....		A/R
-46	BH-10-731		. Scoop, air vent, Chap. 15-1, Fig. 3.....		RF
-47	BH-10-1715		. Scoop, air vent, Chap. 15-1, Fig. 3.....		RF
-48	BH-74-373		. Ring, reinforcing.....		1
-49	A102-1D		. Bolt, 10-32 UNF.....		4
-50	SP123-D		. Washer.....		8

* NOTE:- Used only on Aircraft Serial No. XX656 to XX672 (inc.) and XX685 to XX696 (inc.) (Concession BH-279)

† Item not illustrated



100/SP/96-2

Fig. 2 Control Valves

Air Conditioning System
Control Valves

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-74-203		Air conditioning system		RF
-1	BH-74-367		. Valve assembly, temperature control		1
			Attaching parts		
-2	SP123-D		Washer		4
-3	A104-1D		Bolt, 10-32 UNF		4
R -4	BH-74-375		. . Housing, valve		1
R -5	BH-74-235		. . Valve, flap		1
R -6	A217-B8		. . Screw		2
R -7	BH-74-287		. . Bracket		1
R -8	BH-74-237		. . Spindle assembly		1
R -9	SP123-D		. . Washer		2
R -10	BH-51-479		. . Bolt, clinch (Make from 28DU/9419966)		1
R *	SA/BH/279/2		. . Bolt, clinch (Make from 28DU/9414339)		1
R -11	SP122-D		. . Washer		3
R *	SP122-E		. . Washer		3
R -12	A105-DT		. . Nut		1
R *	A103-ET		. . Nut		1
R -12A	H-10-3		. . Nut (Kaylock), 10-32 UNF		1
R *	H-10-4		. . Nut (Kaylock)		1
-13	BH-74-205		. Duct Assembly, bottom bend		1
-14	BH-74-321		. . Duct, bottom bend		1
-15	BH-74-331		. . Housing, valve assembly		1
-16	BH-74-349		. . Bracket, control cable attachment		1
-17	BHJ-74-217		. . Valve, flap		1
-18	BH-74-323		. . Valve, spindle		1
-18A	A218-B12		. . Screw, 6-32 UNC		1
-19	BH-51-479		. Bolt, clinch (Make from 28DU/9419966)		1
-20	SP122-D		. Washer		3
-21	A105-DT		. Nut		1
22	H-10-3		. Nut (Kaylock)		1
-23	BH-74-009		. Valve assy., de-mist control		1
-24	BH-74-081		. . Cover assy., valve		1
-25	BH-74-091		. . Plate assy., valve cover		1
-26	4001 Type A		. . Screw, P.K., No. 4 x 1/4 in.		2
-27	BH-74-105		. . Plate, valve		1
-28	BH-74-099		. . Spindle assy., valve ..		1
-29	A102-1/2B		. . Bolt, 6-32 UNC		2
-30	SP126-B		. . Washer		2
-31	SP122-B		. . Washer		3
-32	BE-74-10049		. . Lever		1
-33	—		. . Pin, steel 3/32 in. x 3/8 in. lg. (Unbrako Ltd.)		1
-34	AH-2812		. . Spring (Flexo Steels Ltd.)		1
-35	BE-74-10047		. . Spring, adjuster		1
-36	BH-47-051		. Bolt, clinch (Make from 28DU/9419465)		1
-37	SP127-D		. Washer		3
-38	H-10-3		. Nut (Kaylock)		1
-39	BH-74-035		. Cable assy., flow control		1
-40	BH-74-279		. Cable assy., temperature control		1
-41	H-10-4		. Nut, 1/4 in. UNF (Kaylock)		4

* NOTE:—Used only on aircraft Serial No. XX656 to XX672 (inc.) and XX685 to XX696 (inc.) (Concession BH-279)

Chapter 28
GENERAL INSTRUMENTS

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Vacuum system	28 - 1
Fatigue Meter	28 - 1
Instrument panel	28 - 2
Engine and electrical	28 - 2

Chapter 28

GENERAL INSTRUMENTS

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Fig. 3 Fatigue meter	6

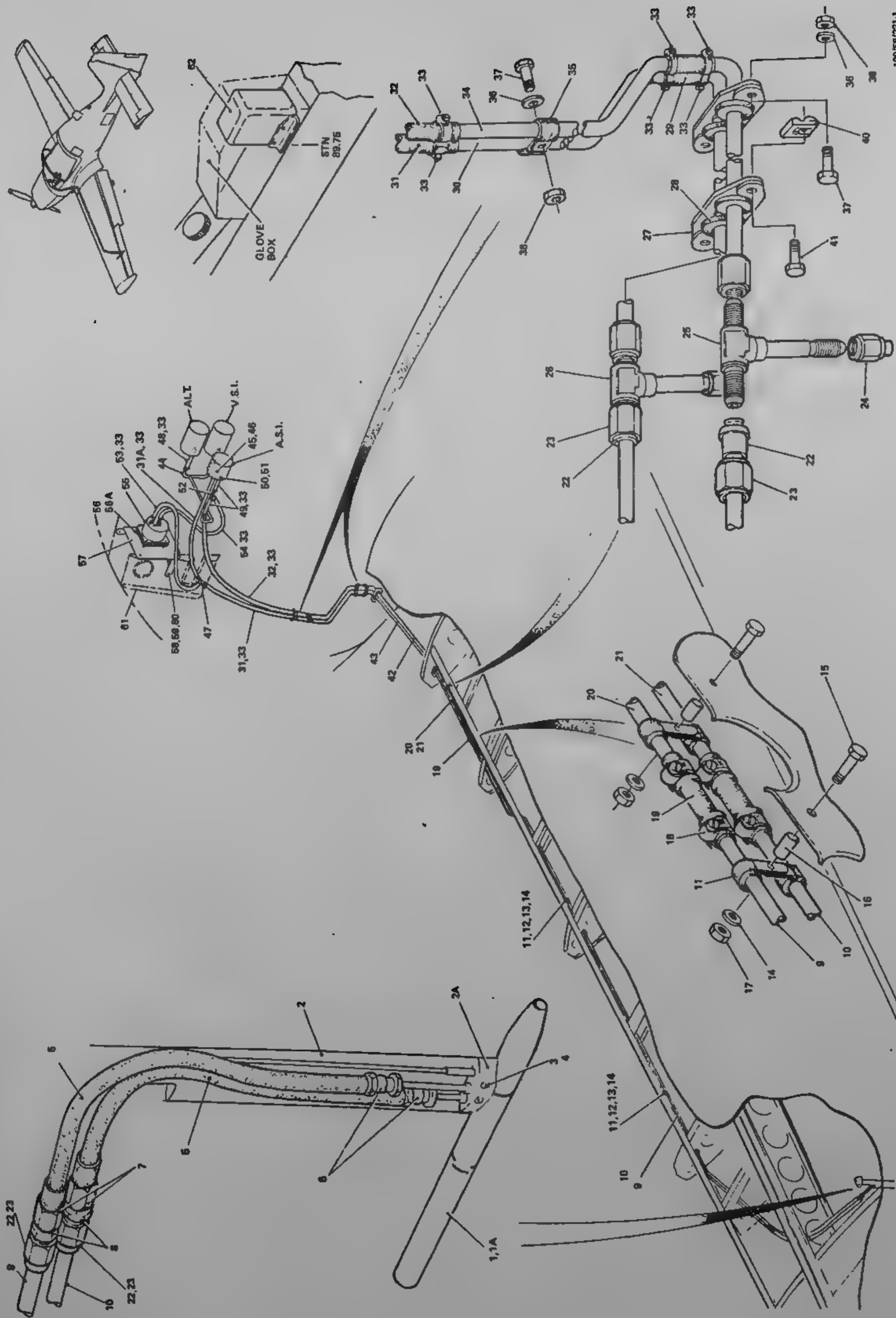


Fig. 1 Pitot-Static System
(Mod 98 and 124 inc)

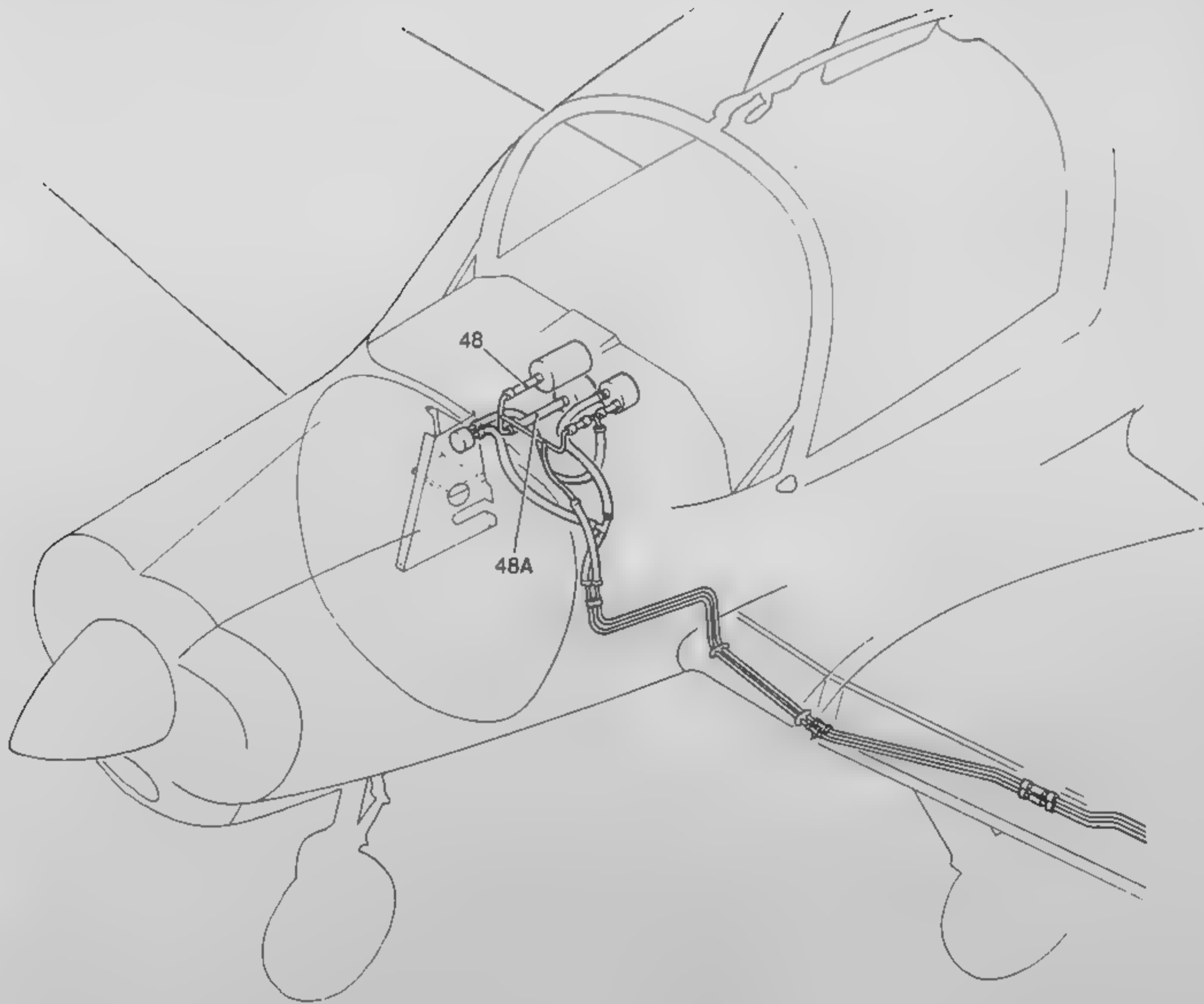


Fig.1 Pitot Static System
(Mod. 98 and 124 inc)
► Pipelines re-routed ◀

General Instruments
 Pitot Static System

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-48	BH-80-355	.Hose		1
-----	-----------	-------	--	---

INSERT

-48	M-R9-70-0001/3	.Hose		1
-48A	M-R9-70-0001/1	.Hose		1

General Instruments
Pitot Static System

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
1-	BH-80-007	Pitot/static system installation.....							RF
-1	DU-160-27	. Sensing hd. (Avimo Ltd)(Pre-Mod 124).....							1
-1A	DU-100-24	. Sensing hd. (Avimo Ltd)(Mod 124).....							1
-2	BE-20-10195	. Mast assy,pitot (Chap.16-1, Fig.3).....							RF
-2A	BE-80-10027	. Packer.....							1
-3	A32-B10	. Screw,4BA.....							2
# -4	AGS2035B	. Washer,shakeproof.....							2
-5	BE-80-11109	. Hose assy.....							2
-6	DAS6379-B	. Union assy.....							2
-7	DAS6634-B	. Union assy.....							2
-8	AN815-5D	. Union,5/16in.20UNF.....							2
-9	BH-20-371	. Pipe assy.....							1
-10	BH-20-373	. Pipe assy.....							1
-11	SS-307-5B	. Clip,'P'type.....							8
# -12	MK1000-06	. Nut,anchor (Kaylock).....							4
# -13	A102-1B	. Bolt,6-32 UNC.....							4
-14	SP124-B	. Washer.....							6
-15	A102-3B	. Bolt,6-32 UNC.....							2
-16	AS2307-025	. Tube,distance.....							2
-17	H10-06	. Stiffnut (Kaylock).....							2
-18	SP91-A	. Clip,hose (Pre-Mod 250).....							4
R -18A	AGS3925/1	. Clip,hose (Mod 250).....							4
-19	BH-20-375	. Hose.....							2
-20	BH-20-381	. Pipe assy,static.....							1
-21	BH-20-383	. Pipe assy,pitot.....							1
-22	MS20819-5	. Sleeve.....							4
-23	AN818-5D	. Nut,coupling.....							4
# -23A	BH-80-1141	. Clamp bottom (Mod 118).....							1
		Attaching parts							
# -23B	SL210-06-1	Nut clip (Mod 118).....							1
# -23C	A102-1/2B	Bolt (Mod 118).....							1
# -23D	SP93-B10	. Grommet (Mod 118).....							1
# -23E	BH-80-1143	. Clamp top (Mod 118).....							1
		Attaching parts							
# -23F	SL210-06-1	Nut clip (Mod 118).....							1
# -23G	A102-1/2B	Bolt (Mod 118).....							1
# -23H	SP93-B10	. Grommet (Mod 118).....							1
-24	AN929-2	. Cap assy.....							2
-25	BH-80-405	. Drain assy,static.....							1
-26	BH-80-399	. Drain assy,pitot.....							1
-27	BH-80-011	. Clamp.....							4
-28	SP93-B10	. Grommet.....							4
-29	BH-80-363	. Hose.....							2
-30	BH-80-081	. Pipe assy,pitot.....							1
-31	BH-80-665	. Hose,pitot.....							2
-31A	BH-80-681	. Hose,pitot.....							1
-32	BH-80-607	. Hose,static.....							1

Item Not Illustrated

General Instruments
Pitot Static System

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
1-33	AGS3925-1	.	Clamp (Bells Asbestos BAS243-N1)(Mod 98).....						22
-34	BH-80-079	.	Pipe assy,static.....						1
-35	AS3181/5B	.	Clip,'P'type.....						2
-36	SP125-B	.	Washer.....						3
-37	A102-1B	.	Bolt,6-32 UNC.....						3
-38	H10-06	.	Nut (Kaylock).....						3
-40	SL210-06-1	.	Nut,clip (Shurlock).....						2
-41	A102-1/2B	.	Bolt,6-32 UNC.....						2
-42	BH-80-083	.	Pipe assy,static.....						1
-43	BH-80-085	.	Pipe assy,static.....						1
-44	BH-80-645	.	Manifold assy,static.....						1
# -45	AGS3093	.	Pitot connector.....						1
# -46	AGS3098	.	Gasket.....						1
-47	BH-80-657	.	Tee-piece.....						1
-48	BH-80-355	.	Hose.....						2
-49	BH-80-663	.	Hose.....						2
# -50	AGS3095	.	Connector,static.....						1
# -51	AGS3099	.	Gasket.....						1
-52	BH-80-651	.	Tee-piece.....						1
-53	BH-80-673	.	Hose,pitot.....						1
-54	BH-80-671	.	Hose,static.....						1
-55	E12A/10A/518	.	Switch,fatigue meter,pressure (Munro).....						1
-56	AVM112	.	Mounting,vibration (Ava Ltd).....						4
-56A	AGS2001/8/2	.	Nut.....						4
-57	BH-80-669	.	Bracket,mounting.....						1
# -58	A102-1B	.	Bolt,6-32 UNC.....						5
# -59	A127-B	.	Nut.....						5
60	SP122-B	.	Washer.....						5
-61	BH-10-607		Channel,support,forward console (Chap.15-2,Fig.1).. Meter,fatigue (Fig.3).....						RF RF
-62	Mk 19								

* Item Not Illustrated

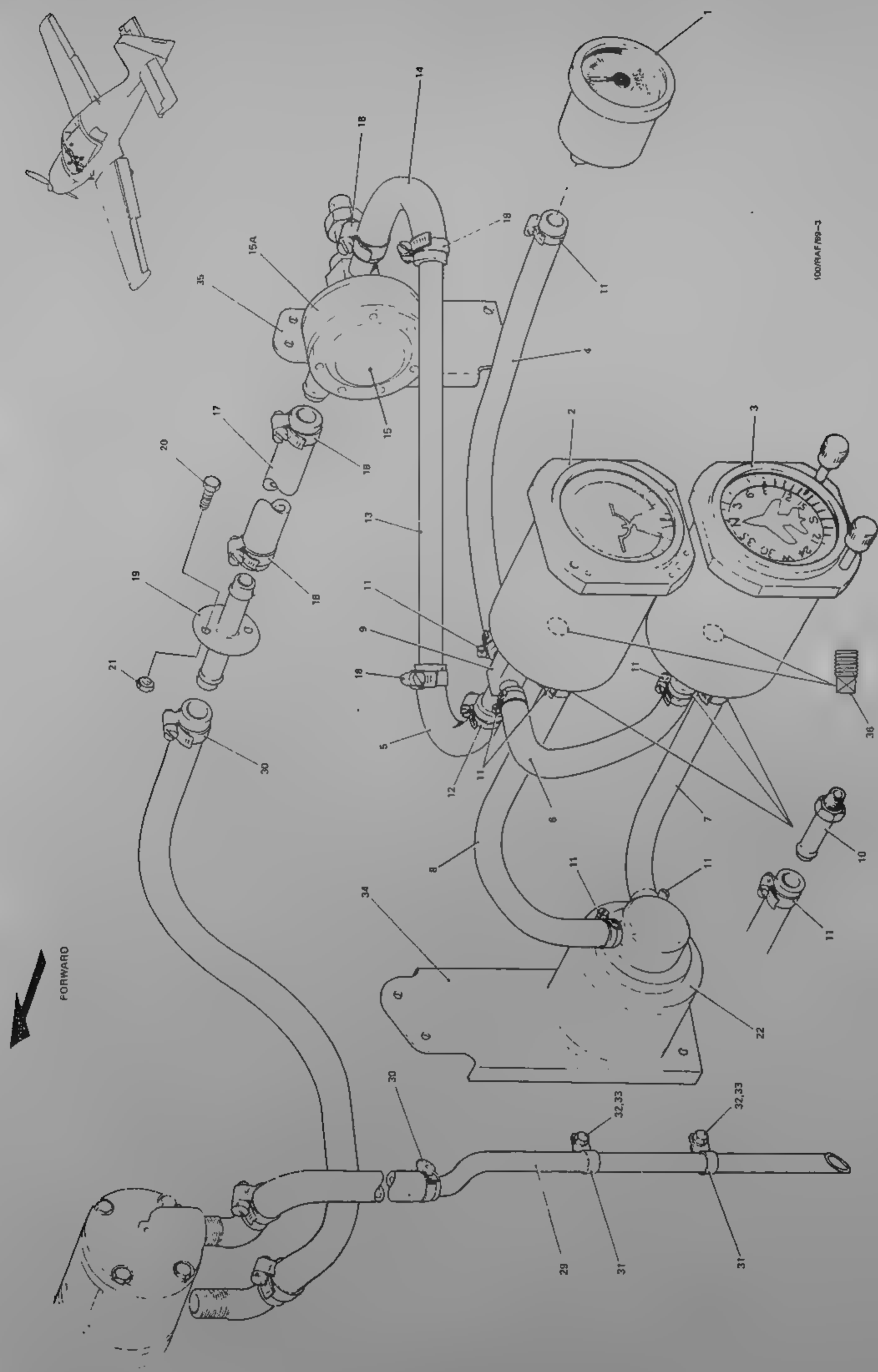


Fig 2 Vacuum System

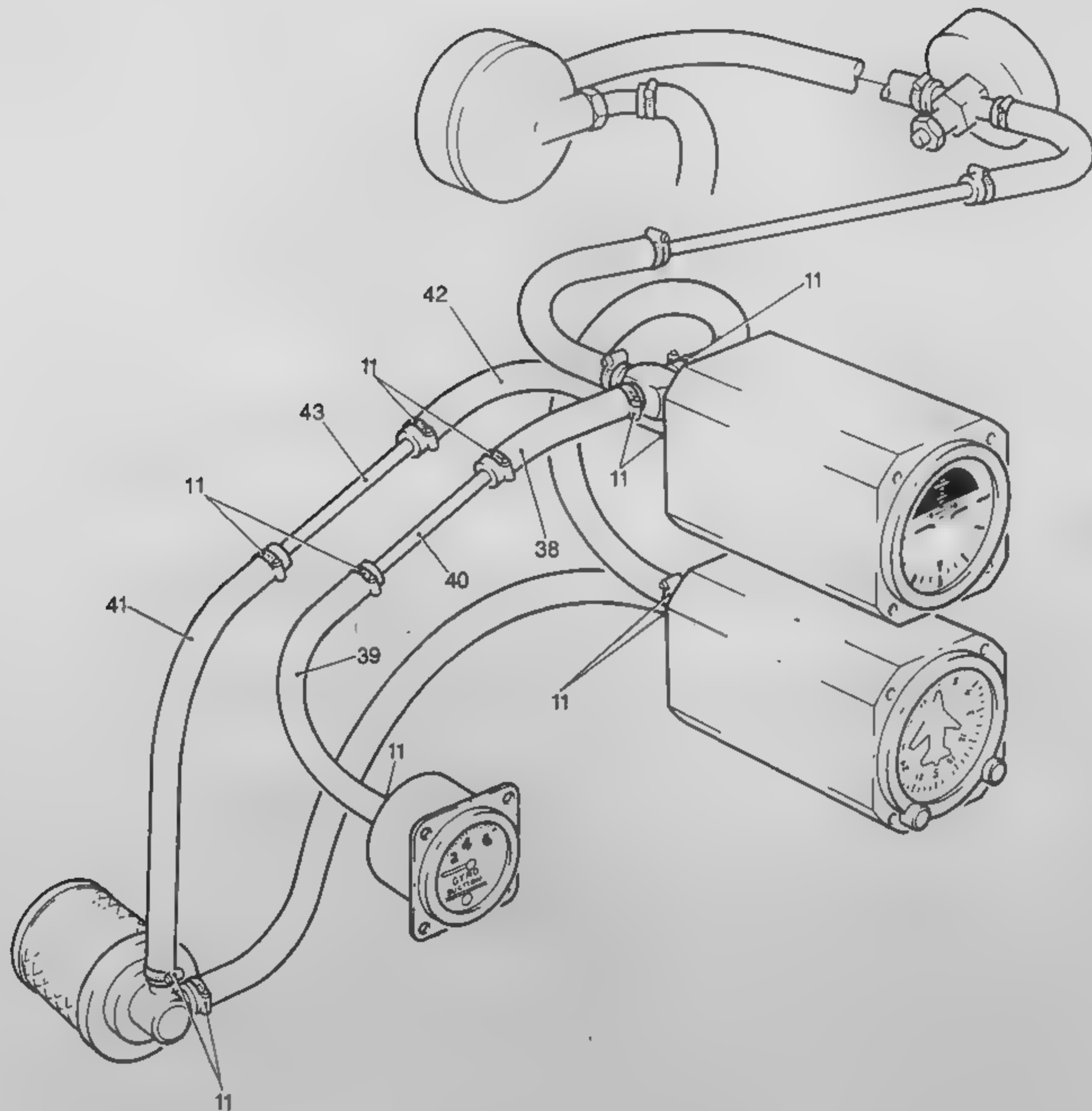


Fig.2 Vacuum System

Supplementary page for MCE Mod 2002

General Instruments
Vacuum System

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
<u>DELETE</u>				
2-	BH-80-1189	Centre panel assy, complete (Pre Mod 169)		RF
	BH-80-1259	Centre panel assy, complete (Mod 169) (Pre Mod 185)		RF
	BH-80-1327	Centre panel assy, complete (Mod 185) (Pre Mod 197)		RF
	BH-80-1341	Centre panel assy, complete (Mod 197) (Pre Mod 221)		RF
	BH-80-1347	Centre panel assy, complete (Mod 221)		
- 4	BH-80-839	.Hose, rubber (Mod 8)		1
- 7	BH-80-835	.Hose, rubber (Mod 8)		1
-11	AGS3925-1	.Clamp (Bells Asbestos) (BAS243-N1)		8
<u>INSERT</u>				
2- +	M-R9-80-0011	GA of instrument panel complete (MCE) (Chap 28-2, Fig 1) (Pre MCE Mod 2003)		RF
▶ +	M-R9-80-0107/1	Instrument panel assy, centre (MCE) (Chap 28-2, Fig 1) (Post MCE Mod 2003)		RF
-11	AGS3925-1	.Clamp (Bells Asbestos) (BAS234-N1)		12
-37+	M-R9-70-0001	.Mods to pneumatic hoses (MCE)		RF
-38	M-R9-70-0001/8	.Hose (MCE)		1
-39	M-R9-70-0001/9	.Hose (MCE)		1
-40	M-R9-70-0001/10	.Splice, pipe, 1/4 in. O/D (MCE)		1
-41	M-R9-70-0001/4	.Hose (MCE)		1
-42	M-R9-70-0001/5	.Hose (MCE)		1
-43	M-R9-70-0001/6	.Splice, pipe, 3/8 in. O/D (MCE)		1

+ Item not illustrated

General Instruments
Vacuum System

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
R	2-	BH-80-1189		RF
		BH-80-1259		RF
		BH-80-1327		RF
		BH-80-1341		RF
		BH-80-1347		RF
	-1	BE-80-11105		RF
	-2	AIM-300(10)CF		RF
		Chap. 28—2, Fig. 1)		
	-3	AIM-200H		RF
		Chap. 28—2, Fig. 1)		
	-4	BH-80-839		1
	-5	BH-80-841		1
	-6	BH-80-837		1
	-7	BH-80-835		1
	-8	BH-80-833		1
	-9	1K17-4-8-6-4		3
	-10	1K10-4-6		8
	-11	AGS3925-1		1
	-12	AGS3925-00		1
	-13	BH-80-843		1
	-14	BH-80-845		1
	-15	2H3-2		1
	-15A	B3-5-1		1
	-16†	SP126-W		1
		Alternative		
		SP10-W		1
	-17	BH-80-847		1
	-18	SP91-D		5
	-19	BH-10-1207		RF
	-20	A102-1/2D		2
	-21	H-10-08		2
	-22	1J7-1		1
		Alternative		
		1J6-1		1
	-23 to -28	Not Used		
	-29	BH-70-025		1
	-30	SP91-C		4
	-31	SS-303/8B		2
	-32	A102-1B		2
	-33	SP126-B		2
	-34	BH-10-2359		RF
	-35	BH-10-2358		RF
	-36	MS20913/1		1

† Item not illustrated

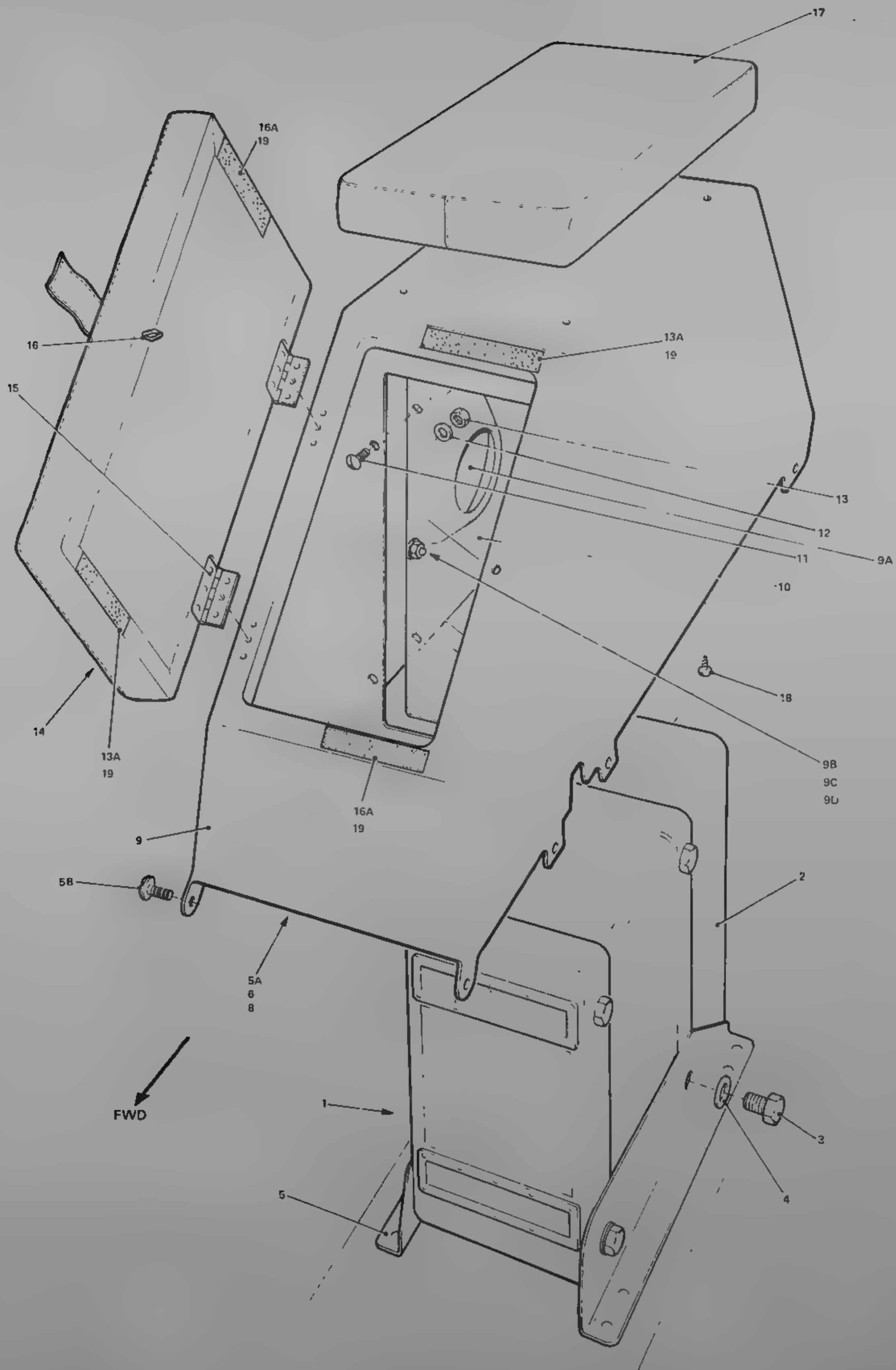


Fig.3 Fatigue Meter Installation
(Mod.102 inc.)

100 RAF 59 1

General Instruments
Fatigue Meter

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-1	BH-80-567		Installation of fatigue meter		RF
-2	MK.19		. Meter, fatigue		1
-3	A125-1C		. . Bolt (Supplied with fatigue meter)		4
-4	SP13-C		. Washer		4
-5	BH-10-517		Console assy., rear, Chap. 15-3, Fig. 4		RF
R -5 A	BH-18-513		. Glove box and blank assy. (Mod. 102)		1
			Attaching parts		
R -5 B	A113-1D		Bolt 10-32 UNF		8
R -6	BH-18-515		. . Box assy., glove		1
R -8	BH-18-517		. . . Box, sub assy.		1
R -9	BH-18-403		 Box, body, glove		1
R -9 A	BH-18-451		 Plate, blanking)		1
R -9 B	A113-1B		 Bolt)		3
R -9 C	SP122-B		 Washer) only used when fatigue meter is <i>not</i> fitted		6
R -9 D	A125-B		 Nut)		3
R -10	BH-18-409		 Window "Perspex"		1
R -11	A113-1/2B		 Screw		4
R -12	SP122-B		 Washer		4
R -13	A125-B		 Bolt		4
R -13A	—		 "Velcro" loop, 2.5 in. x 5/8 in.		2
R -14	BH-18-519		. . Lid sub assy., hinged		1
R -15	AS1877		. . . Hinge		2
R -16	CJ3-78281-00-000		. . . Catch (Carr)		1
R -16A	—		. . . "Velcro" hook, 2.5 in. x 5/8 in.		2
R -17	BH-18-401		. . Lid, sub assy., fixed		1
R -18	ART 4004-81		. . Screw		4
R -19	528		. . Adhesive (Evo-stik)		A/R

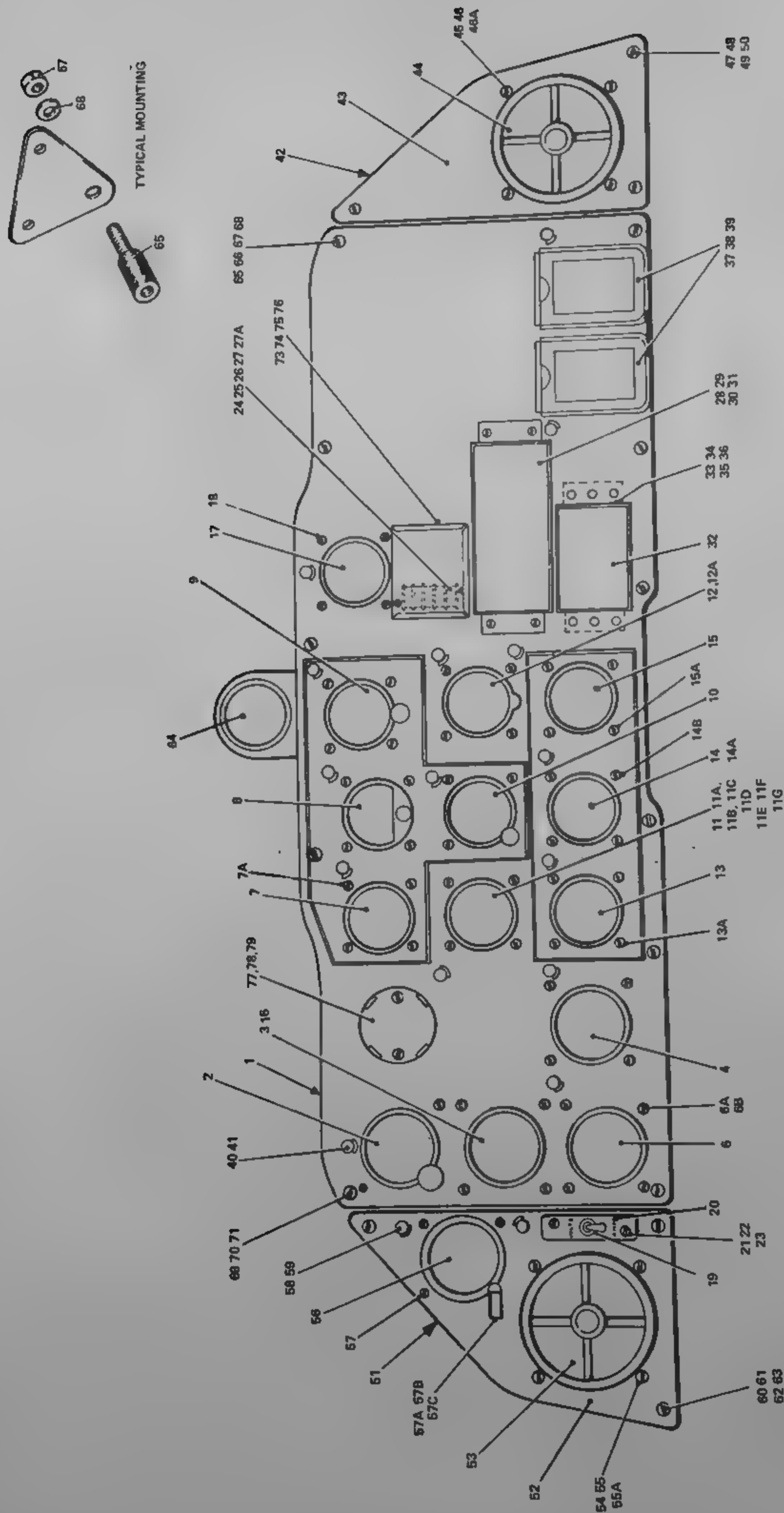
Chapter 28

GENERAL INSTRUMENTS

Section 2

CONTENTS

Fig. 1 Instrument Panel	Page 2
Fig. 2 Engine and Electrical Instruments	6



100/RAF 722-6

Fig 1 Instrument Panel

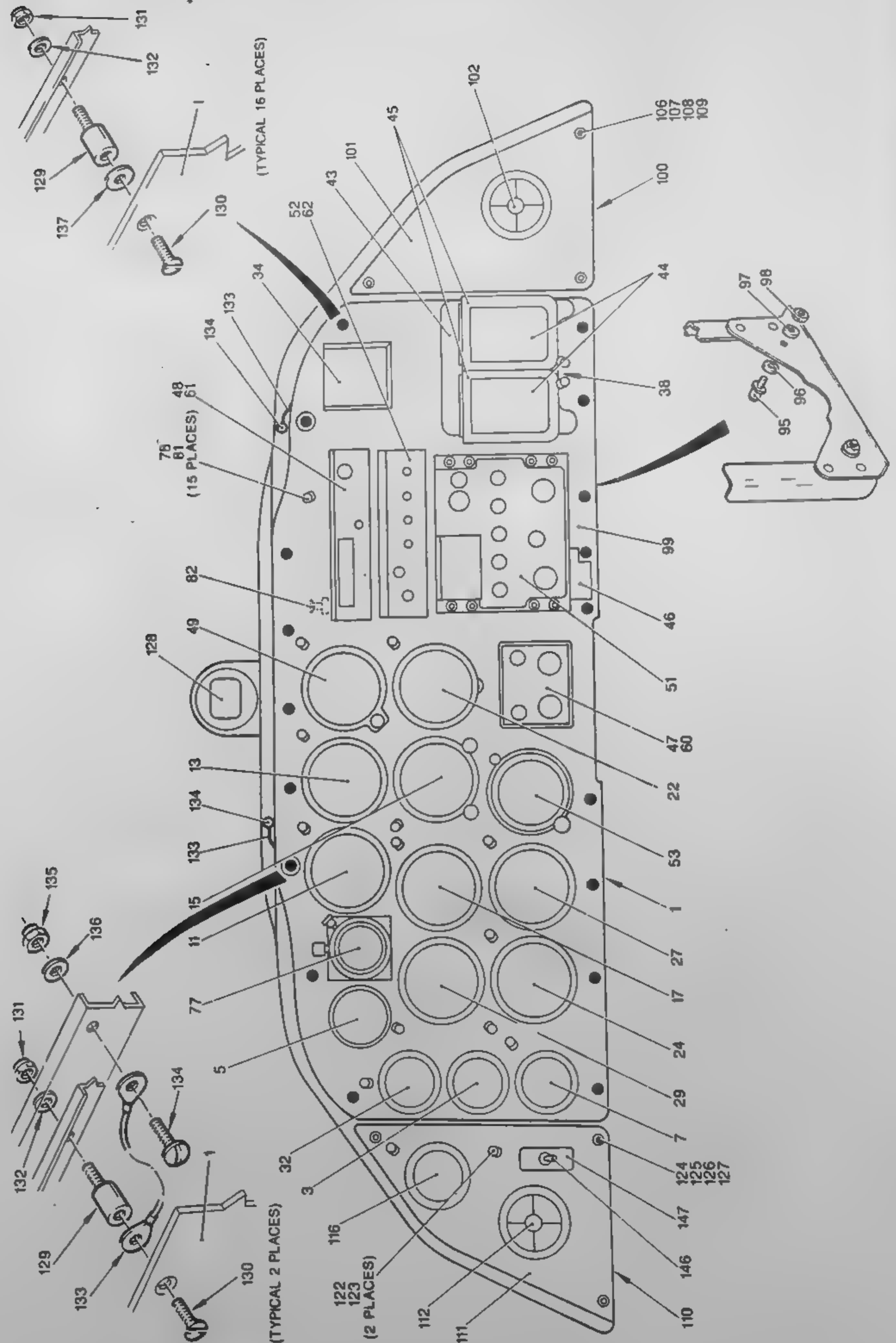


Fig 1 Instrument Panel (Pre MCE Mod 2003)

►Title amended◀

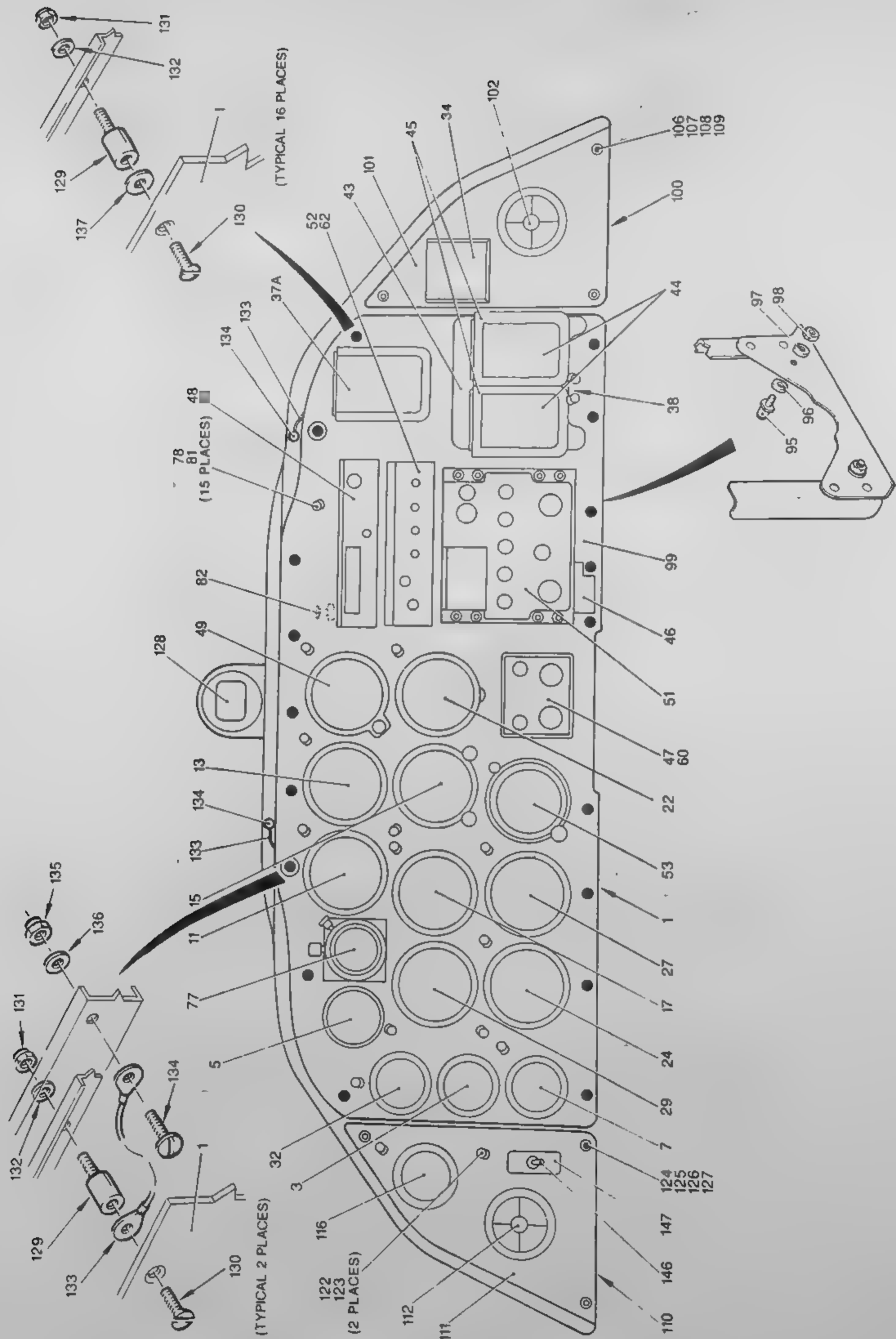


Fig 1 Instrument Panel (Post MCE Mod 2003)

►New illustration◄

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
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DELETE

Chapter 28-2, pages 3 to 4 in toto

INSERT

1- 1+	M-R9-80-0001	Installation of instrument panel assy		RF
- 2+	M-R9-80-0011	.G.A. of instrument panel complete (Chap 28-1, Fig 2) (Pre MCE Mod 2003)		1
	M-R9-80-0107/1	.Instrument panel assy centre (MCE) (Chap 28-1, Fig 2) (Post MCE Mod 2003)		1
- 3	PW936FL	Attaching parts ..Indicator, flap position (Smiths)		1
- 4+	A220-B32	Screw, 6-32 UNC		4
- 5	S216-1-140	..Gauge, fuel contents (Sangamo-Weston)		1
		Attaching parts		
- 6+	A220-B32	Screw, 6-32 UNC		4
- 7	S231-3-262	..Gauge, volt/meter (Sangamo-Weston)		1
		Attaching parts		
- 8+	H10-06	Nut, 6-32 UNC (Kaylock)		4
- 9+	SP124-B	Washer, 6-32 UNC		4
-10+	A220-B32	Screw, 6-32 UNC		4
-11	129AS/PC	..Indicator, airspeed (Smiths) (Ref 6A/4333282)		1
		Attaching parts		
-12+	A45-B32	Screw, 4BA		4
-13	AIM300(10)CF	..Artificial horizon (Aviation Instrument Mfg Corp)		1
		Attaching parts		
-14+	A220-B32	Screw, 6-32 UNC		4
-15	AIM200H	..Gyro, directional (Aviation Instrument Mfg Corp)		1
		Attaching parts		
-16+	A220-B32	Screw, 6-32 UNC		3
-16	BH-80-1337	..Indicator assy, turn and slip (Smiths)		1
		Attaching parts		
-18	A220-B32	Screw, 6-32 UNC		4
-19	KTS-0410W	...Indicator, turn and slip (Smiths)		1
-20+	151439	...Tag, ring tongue (Amp)		2
-21+	T15	...Sleeve, identification (Hellerman)		AR
-22	SF20RC/PC	..Indicator, rate of climb (Smiths) (Ref 6A/4332875)		1

+ Item not illustrated

Supplementary page for MCE Mod 2002

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
-23+	A45-B32	Attaching parts Screw, 4BA		4
-24	BH-80-461	..Gauge, manifold pressure Attaching parts		1
-25+	NAS487-20	Nut, instrument mounting		4
-26+	A220-B32	Screw, 6-32 UNC		4
-27	BH-80-1237	..Indicator, RPM Attaching parts		1
-28+	A220-B16	Screw, 6-32 UNC		4
-29	BH-80-317	..Gauge, pressure, oil temp Attaching parts		1
-30+	NAS487-20	Nut, instrument mount		4
-31+	A220-B32	Screw, 6-32 UNC		4
-32	BE-80-11105	..Gauge, vacuum Attaching parts		1
-33+	A220-B16	Screw, 6-32 UNC		4
-34	BH-80-701	..Holder, compass card (Ref 26NS-9905-99-6055740)		1
-35+	H10-06	Attaching parts Nut, 6-32 UNC		2
-36+	SP124-B	Washer		2
-37+	A220-B14	Screw, 6-32 UNC		2
-37A	M-R9-80-0103/1	..Card holder/mounting plate assy (MCE) (Ref 26NS-99-1379637) (Post MCE Mod 2003)		1
-37B+	H10-06	Attaching parts Nut (Ref 5310-00-1711875)		2
-37C+	SP124-B	Washer (Ref 28W-5310-99-9471274)		2
-37D+	A220-B14	Screw (Ref 28S-5305-99-1374840)		2
-37E+	M-R9-80-0103/2	...Plate, mounting (MCE)		1
-37F+	WTA122426	...Carrier, card (Ref 10H/4306975)		1
-37G+	CP102302	...Holder, card (Ref 10H/4684513)		1
-38	M-R9-80-0029	..Card holder/mounting plate assy (MCE)		1
-39+	H10-3	Attaching parts Nut, 10-32 UNF		4
-40+	SP124-D	Washer, 10-32 UNF		4
-41+	A220-D20	Screw, 10-32 UNF		2
	A204-D20	Alternative Screw (Ref 28S-5305-99-9997566)		2
-42+	A220-D24	Screw, 10-32 UNF		2
	A204-D24	Alternative Screw (Ref 28S-5305-99-1009965)		2
-43	M-R9-80-0027	...Plate, mounting (MCE)		1
-44	M-R9-80-0029/2	...Holder, card (MCE)		2
-45	WTA122426	...Carrier, card (Ref 10H/4306975)		2
-46	M-R9-83-0015/1	..Label, Induction Air Cold In Hot Out (MCE)		1

+ Item not illustrated

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
-47	4000401-4103	..Radio, VHF comm transceiver (Ref 5825-99-6396012) (Bendix RT241B)		1
-48	825-03115-0303	..VOR/ILS Receiver (NARCO) (Ref 10ZZ/0470959)		1
-49	ST10285	..Altimeter, encoding (Kollsman) (Ref 6610-99-3614729) Attaching parts		1
-50+	A220-B36	Screw, 6-32 UNC		3
-51	RT-1167-H	..Transceiver, ARC 164 (Magnavox) (Ref 110D/6565203)		1
-52	AT150	..Transponder, SSR (Narco) (Ref 10ZZ/0470825)		1
-53	IDME891	..Indicator, VOR/ILS (Narco) (Ref 10ZZ/0470960) Attaching parts		1
-54+	A220-B18	Screw, 6-32 UNC		2
-55+	SP124-B	Washer, 6-32 UNC		1
-56+	A221-B20	Screw, 6-32 UNC		1
-57+	SP124-C	Washer		1
-58+	A125-C	Nut, stiff, 8-32 UNC		1
-59	M-R9-80-0025	..Instrument panel, wired (MCE) (Chap 61-1, Fig 1) (Pre MCE Mod 2004)		1
	M-R9-80-0111/1	..Instrument panel, wired (MCE) (Chap 61-1, Fig 1) (Post MCE Mod 2004)		1
-60	4006956-0502	...Mounting tray, VHF transceiver (Bendix)		1
-61	01372-0102	...Mounting tray, NAV825 (Narco) (Ref 10ZZ/0470962)		1
-62		...Mounting tray, transponder (Narco) (Ref 10ZZ/0470826) Attaching parts		1
-63+	H10-06	Nut, 6-32 UNC (Kaynar)		8
-64+	SP124-B	Washer, No. 6		8
-65+	A221-B12	Screw, 6-32 UNC		8
-66+	NX1	...Clip, 'P' Attaching parts		1
-67+	H10-06	Nut, 6-32 UNC		1
-68+	SP124-B	Washer, No. 6		1
-69+	A220-B16	Screw, 6-32 UNC		1
-70+	NX1	...Clip, 'P'		2
-71	2797-D	...Mounting plate, stop watch (Pre MCE Mod 2004) (6B-6645-99-6361092)		1
	M-R9-80-0105/1	...Mounting plate, stop watch (MCE) (Post MCE Mod 2004)		1

+ Item not illustrated

Supplementary page for MCE Mod 2002

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
		Attaching parts		
-72+	AGS2001-B1	Nut, stiff, 4BA		3
-73+	SP124-B	Washer		3
► -74+	A45-B24	Screw, 4BA (Pre MCE Mod 2004)		4
	A45-B-24	Screw, 4BA (Post MCE Mod 2004)		3
-75+	A53-B	Nut, 4BA (Pre MCE Mod 2004)		1
-76+	SP47-B	Washer (Pre MCE Mod 2004)		1
-77	9604/3/2792-3	...Stop watch (Ref 6B/5209604)		1
-78	01-0498	...Lamp, pillar (FKI Elec Comp)		15
-79+	A105-DT	...Nut, 10-32 UNF		4
-80+	SP125-D	...Washer		4
-81	L100F	...Filament		15
-82	UM00817/S/5	...Block terminal (United Moldings)		1
-83+	H10-06	...Nut, 6-32 UNC		2
-84+	SP124-B	...Washer		2
-85+	36766-314-0	...Pillar, mounting (Dowty)		2
-86+	41852-225-0	...Cover, terminal block (Dowty)		1
-87+	UM012-00/4	...Link, terminal (United Moldings)		1
-88+	TM-2S6-C	...Holder, tywrap (Panduit)		2
		Attaching parts		
-89+	A216-B	Nut		2
-90+	SP13-B	Washer		2
-91+	A217-B16	Screw		2
-92+	TYB-25M	...Tywrap (Thomas and Betts)		A/R
-93+	TYB-24M	...Tywrap (Thomas and Betts)		A/R
-94+	M-R9-80-0013	...Instrument panel, sub assy (MCE) (Pre MCE Mod 2004)		1
►	M-R9-80-0111/2	...Instrument panel, sub assy (MCE) (Post MCE Mod 2004)		1
-95	M-R9-80-0023	Spigot (MCE)		2
-96	SP47-X	Washer, No. 8		2
-97	SP124-C	Washer		2
-98	A103/CP	Nut, No. 8		2
-99	M-R9-80-0017	Instrument panel, centre (MCE) (Pre MCE Mod 2004)		1
►	M-R9-80-0109/1	Instrument panel, centre (MCE) (Post MCE Mod 2004)		1
-100	BH-80-589	.Panel assy, fixed RH (Pre MCE Mod 2003)		1
	M-R9-80-0101/1	.Panel assy fixed RH (MCE) (Post MCE Mod 2003)		1
-101	BH-80-591	..Panel, detail (Pre MCE Mod 2003)		1
	M-R9-80-0101/2	..Panel (MCE) (Post MCE Mod 2003)		1
-101A	BH-80-701	..Holder, compass card (Post MCE Mod 2003) (Ref 26NS-9905-6055740)		1
		Attaching parts		
-101B+	H10-06	Nut (Ref 5310-00-1711875)		2
-101C+	SP124-B	Washer (Ref 28W-5310-99-9471274)		2

+ Item not illustrated

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
► -101D+	A220-B14	Screw		2
-102	No. 36	.Louvre, air (Clear Hooters Ltd)		1
		Attaching parts		
103+	A220-B18	Screw, 6-32 UNC		4
104+	SP124-B	Washer		4
105+	A129-B	Nut		4
106	A173-10C	.Bolt, 8-32 UNC		3
107	A128-C	.Nut		3
108	SP124-C	.Washer		3
109	AS2809-4-075	.Tube, distance		3
110	BH-80-593	.Panel assy, fixed LH (Pre Mod 59)		1
	BH-80-1005	.Panel assy, fixed LH (Mod 59)		1
		(Pre Mod 185)		
	BH-80-1323	.Panel assy, fixed LH (Mod 185)		1
111	BH-80-595	.Panel, detail (Pre Mod 59)		1
	BH-80-1007	.Panel, detail (Mod 59)		1
112	No. 36	.Louvre, air (Clear Hooters Ltd)		1
		Attaching parts		
113+	A220-B18	Screw, 6-32 UNC		4
114+	A129-B	Nut		4
115+	SP124-B	Washer		4
116	KAE-0504/K	.Accelerometer (Smiths)		1
		Attaching parts		
117+	A220-B28	Screw, 8-32 UNC		1
118+	A220-B32	Screw, 8-32 UNC		3
119+	BH-80-1011	.Guard		1
		Attaching parts		
120+	A25-2C	Bolt		1
121+	SP13-C	Washer		1
-122	01-0498	.Lamp, pillar, clear gray (Thorn)		RF
		(Chap 56-1, Fig 2) (Mod 21)		
-122	80/10/1594	.Lamp, pillar, clear gray (Thorn)		RF
		(Chap 56-1, Fig 2) (Mod 185)		
123	L1004	.Filament (Thorn) (Chap 56-1, Fig 2)		RF
124	A173-10C	.Bolt, 8-32 UNC		3
125	A128-C	.Nut		3
126	SP124-C	.Washer		3
127	AS2809-4-075	.Tube, distance		3
128	C2400-L4P2-24V	.Compass (Airpath)		1
		Attaching parts		
	A129-B	Nut, stiff 6-32 UNC		3
	-	Screws (supplied with item 64)		
129	AVM130 Type 29	.Mounting, anti-vibration (AVA Ltd)		18
		Attaching parts		
130	A204-D10	Screw		18
131	A126-D	Nut, stiff		18
132	SP124-D	Washer, 10-32		18
133	BSS134-38D	.Lead, bonding		2
134	A113-1/2B	.Bolt, 6-32 UNC		2

+ Item not illustrated

Supplementary page for MCE Mod 2002

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
135	H10-06	.Nut, stiff		2
136	SP124-B	.Washer		4
137	SP58-E	.Burr		16
138+	Evostick 524	.Adhesive		AR
139+	NX-4	.Clip 'P'		1
140+	MS21919-WDG6	.Clamp		1
		Attaching parts		1
141+	A102-8D	Bolt		1
142+	MCE-SP-1032/6	Spacer (MCE)		1
143+	AN960-10L	Washer		1
144+	A-1177-B	.Adhesive (B F Goodrich)		A/R
145+	TA405/F06-06	.Bracket (T A Manf Co)		1
146	CTS-6	.Switch (Arrow)		1
147	BH-80-641	.Plate, mounting		1
148+	A221-B61	.Screw, 6-32 UNC		2
149+	SP124-B	.Washer		2
150+	A129-B	.Nut		2

+ Item not illustrated

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
1-	BH-80-1187	Panel assy, instrument, centre (Mod. 128)(Pre-Mod. 169)..		RF
	BH-80-1257	Panel assy, instrument, centre (Mod. 169)(Pre-Mod. 185)..		RF
	BH-80-1325	Panel assy, instrument, centre (Mod. 185)(Pre-Mod. 197)..		RF
	BH-80-1339	Panel assy, instrument, centre (Mod. 197)(Pre-Mod. 221)..		RF
	BH-80-1345	Panel assy, instrument, centre (Mod. 221).....		RF
-1	BH-80-1181	. Panel, centre (Mod. 128 and 169).....		RF
	BH-80-1309	. Panel, centre (Mod. 185 and 197).....		RF
	BH-80-1343	. Panel, centre (Mod. 221).....		RF
-2	NL7510-A	. Clock (Cammor Cuss).....		1
-3	PW936FL	. Indicator, flap position (Smiths).....		1
-4	S216-1-140	. Gauge, fuel contents (Sangamo-Weston).....		1
R -5†	180340	. Mounting, gauge.....		1
-6	S231-3-262	. Gauge, volt/ammeter (Sangamo-Weston).....		1
-6A	SP124-B	. Washer.....		4
-6B	H-10-06	. Nut.....		4
-7	129AS/PC	. Indicator, airspeed (Smiths) (Ref. 6A/4333282).....		1
-7A	A45-B32	. Screw (4 BA) (Mod. 47).....		4
-8	AIM300(10)CF	. Artificial horizon (Aviation Instrument Mfg. Corp).....		1
-9	SF-74-AMPC	. Altimeter (Smiths).....		1
-10	AIM200H	. Gyro, directional (Aviation Instrument Mfg. Corp).....		1
-11	BH-80-1031	. Indicator assy, turn and slip (Pre-Mod. 197).....		1
-11A	KTS-0410W	. . Indicator, turn and slip (Smiths).....		1
-11B	RA23	. . Connector, wrist lock (Ross Courtney).....		1
-11C	T15	. . Sleeve, identification (Hellerman).....		A/R
-11D	BH-80-1337	. Indicator assy, turn and slip (Mod. 197).....		1
-11E	KTS-0410W	. . Indicator, turn and slip (Smiths).....		1
-11F	151439	. . Tag, ring tongue (Amp).....		2
-11G	P15	. . Sleeve, identification (Hellerman).....		A/R
-12	SF20RC/PC	. Indicator, rate of climb (Smiths) (Ref. 6A/4332875).....		1
-12A	A45-B32	. Screw (4 BA).....		4
-13	BH-80-461	. Gauge, manifold pressure.....		1
-13A	NAS-487-20	. Nut, instrument mounting.....		4
-14	BH-80-321	. Indicator, R.P.M. (Pre-Mod. 169).....		1
-14A	BH-80-1237	. Indicator, R.P.M. (Mod. 169).....		1
-14B	A220-B16	. Screw, 6-32 UNC, csk.....		4
-15	BH-80-317	. Gauge, pressure, oil temp.....		1
-15A	NAS-487-20	. Nut, instrument mounting.....		4
-16	A220-B32	. Screw, 6-32 UNC, (Instrument attachment).....		48
-17	BE-80-11105	. Gauge, vacuum.....		1
-18	A220-B16	. Screw, 6-32 UNC.....		4
-19	CTS-6	. Switch, (Arrow).....		1
-20	BH-80-641	. Plate, mounting.....		1
-21	A221-B16	. Screw, 6-32 UNC.....		2
-22	SP124-B	. Washer.....		2
-23	A129-B	. Nut.....		2
-24	UM00817/S/5	. Block terminal (United Mouldings).....		1
-25	A220-B24	. Screw, 6-32 UNC.....		2
-26	H-10-06	. Nut (Kaylock).....		2
-27	SP124-B	. Washer.....		2
-27A	UM-012-00/4	. Link, terminal (United Mouldings).....		1
-28	P197242	. Unit, VHF control (PTR 170, Plessey) (Ref. 10L/5821-99-913-2150).....		1
-29	A218-B14	. Screw, 6-32 UNC.....		4
-30	MF1001-06	. Nut, anchor, floating.....		4
-31	SP124-B	. Washer.....		4
-32	4000401-4102	. Radio, VHF comm., transceiver (Bendix RT241A) (Pre-Mod. 128).....		1
-32A	4000401-4103	. Radio, VHF comm., transceiver (Bendix RT241B) (Mod. 128) (Ref. No 5825-99-6396012).....		1
-33	BH-80-433	. Angle.....		2
-34	A220-B16	. Screw, 6-32 UNC.....		4

† Item not illustrated

General Instruments
Instrument Panel

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-35	SP124-B	.	Washer.....		4
-36	H-10-06	.	Nut.....		4
-37	CP102302	.	Holder, card (Ref. 10H/4684513).....		2
-38	WTA122426	.	Carrier, card (Ref. 10H/4306975).....		2
-39	A32-A12	.	Screw, 4-40 UNC.....		6
-40	80/10/1594	.	Lamp, pillar, clear grey (Thorn) (Chap. 56-1, Fig. 2).....		RF
	01-0498	.	Lamp, pillar, clear grey (Thorn) (Chap. 56-1, Fig. 2) (Mod. 185)		RF
-41	L1004	.	Filament (Thorn) (Chap. 56-1, Fig. 2).....		RF
-42	BH-80-589	.	Panel assy., fixed RH.....		1
-43	BH-80-591	.	Panel, detail.....		1
-44	No. 36	.	Louvre, air (Clear Hooters Ltd.).....		1
-45	A220-B18	.	Screw, 6-32 UNC.....		4
-46	SP124-B	.	Washer.....		4
-46A	A129-B	.	Nut.....		4
-47	A173-7C	.	Screw, 8-32 UNC.....		3
-48	A128-C	.	Nut.....		3
-49	SP124-C	.	Washer.....		3
-50	AS2809-4-075	.	Tube, distance.....		3
-51	BH-80-593	.	Panel assy., fixed LH (Pre Mod. 59).....		1
	BH-80-1005	.	Panel assy., fixed LH (Mod. 59) (Pre Mod. 185).....		1
-51	BH-80-1323	.	Panel assy., fixed LH (Mod. 185).....		1
-52	BH-80-595	.	Panel, detail (Pre Mod. 59).....		1
	BH-80-1007	.	Panel, detail (Mod. 59).....		1
-53	No. 36	.	Louvre, air (Clear Hooters Ltd.).....		1
-54	A220-B18	.	Screw, 6-32 UNC.....		4
-55	A129-B	.	Nut.....		4
-55A	SP124-B	.	Washer.....		4
-56	KAE-0504/K	.	Accelerometer (Smiths).....		1
-57	A220-B32	.	Screw, 8-32 UNC.....		3
-57A	BH-80-1011	.	Guard.....		1
-57B	A25-2C	.	Bolt.....		1
-57C	SP13-C	.	Washer.....		1
-58	80/10/1594	.	Lamp, pillar, clear grey (Thorn) (Chap. 56-1, Fig. 2) (Mod. 21) (Pre Mod. 185).....		RF
-58	01-0498	.	Lamp, pillar, clear grey (Thorn) (Chap. 56-1, Fig. 2) (Mod. 185)		RF
-59	L1004	.	Filament (Thorn) (Chap. 56-1, Fig. 2).....		RF
-60	A173-7C	.	Screw, 8-32 UNC.....		3
-61	A128-C	.	Nut.....		3
-62	SP124-C	.	Washer.....		3
-63	AS2809-4-075	.	Tube, distance.....		3
-64	C2400-L4P2-24V	.	Compass (Airpath).....		1
	A129-B	.	Attaching parts Nut, stiff 6-32 UNC.....		3
		.	Screws (supplied with item 64).....		
-65	AVM130 Type 29	.	Mounting, anti vibration (AVA Ltd.).....		11
		.	Attaching parts Screw, 10-32 UNF.....		11
-66	A204-D8	.	Nut.....		11
-67	A126-D	.	Washer.....		11
-68	SP124-D	.	Lead, bonding.....		2
-69	BSS134-38D	.	Attaching parts Bolt, 6-32 UNC.....		2
-70	A113-1/2B	.	Nut, stiff.....		2
-71	H10-06	.	Washer.....		4
-72	SP124-B	.	Holder, compass card (Mod. 6) (Ref. 26NS/9905-99-6055740)		1
-73	BH-80-701	.	Screw, 6-32 UNC.....		2
-74	A220-B14	.	Washer.....		2
-75	SP124-B	.	Nut (Kaylock).....		2
-76	H-10-06	.	Holder, stopwatch (Ref. 6A/6349779) (Mod. 131).....		1
-77	-	.	Screw, 6-32 UNC.....		2
-78	A208-B24	.	Nut, locking.....		2
-79	A130 B77	.			2

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
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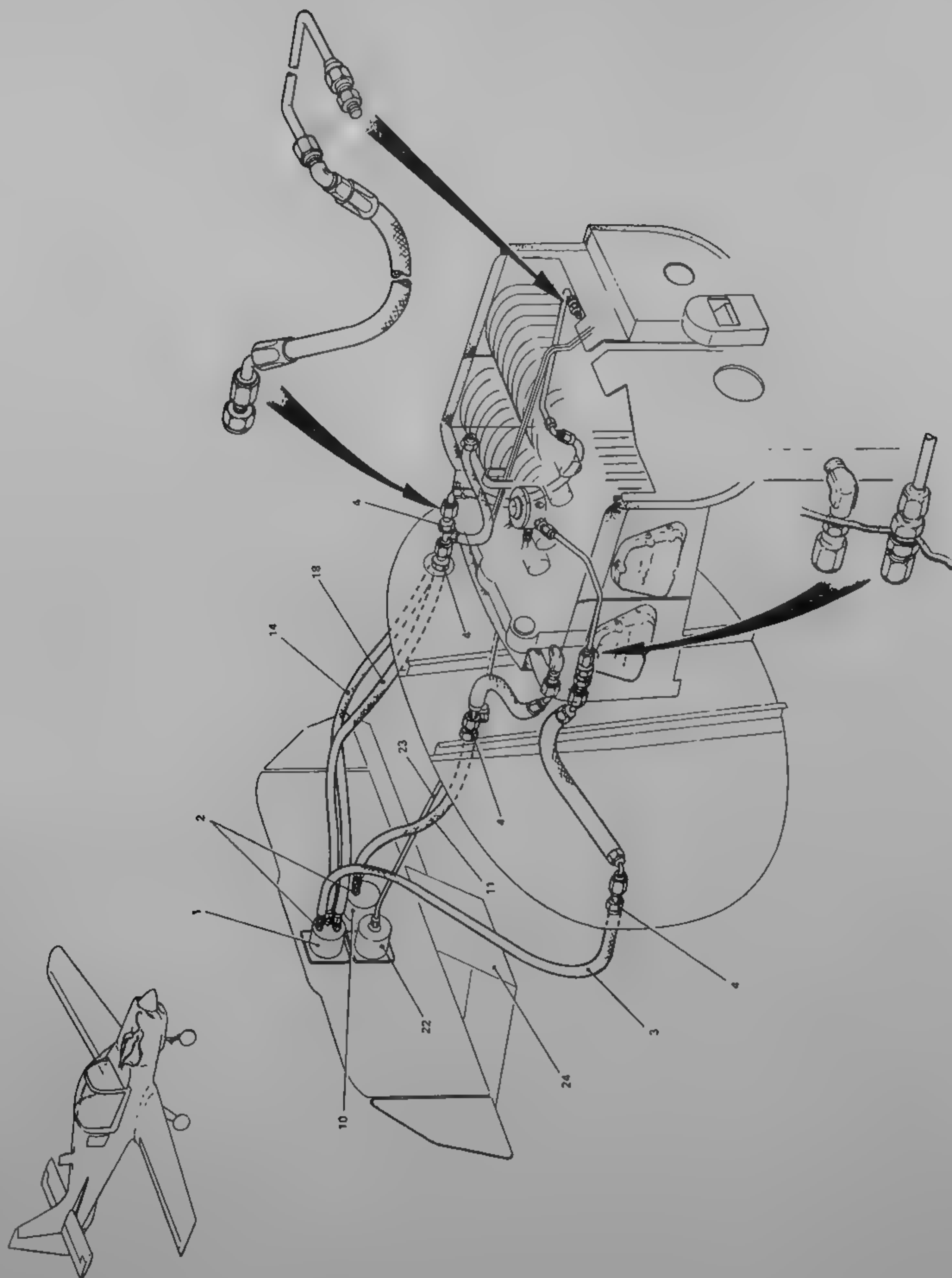


Fig. 2 Engine and electrical instruments
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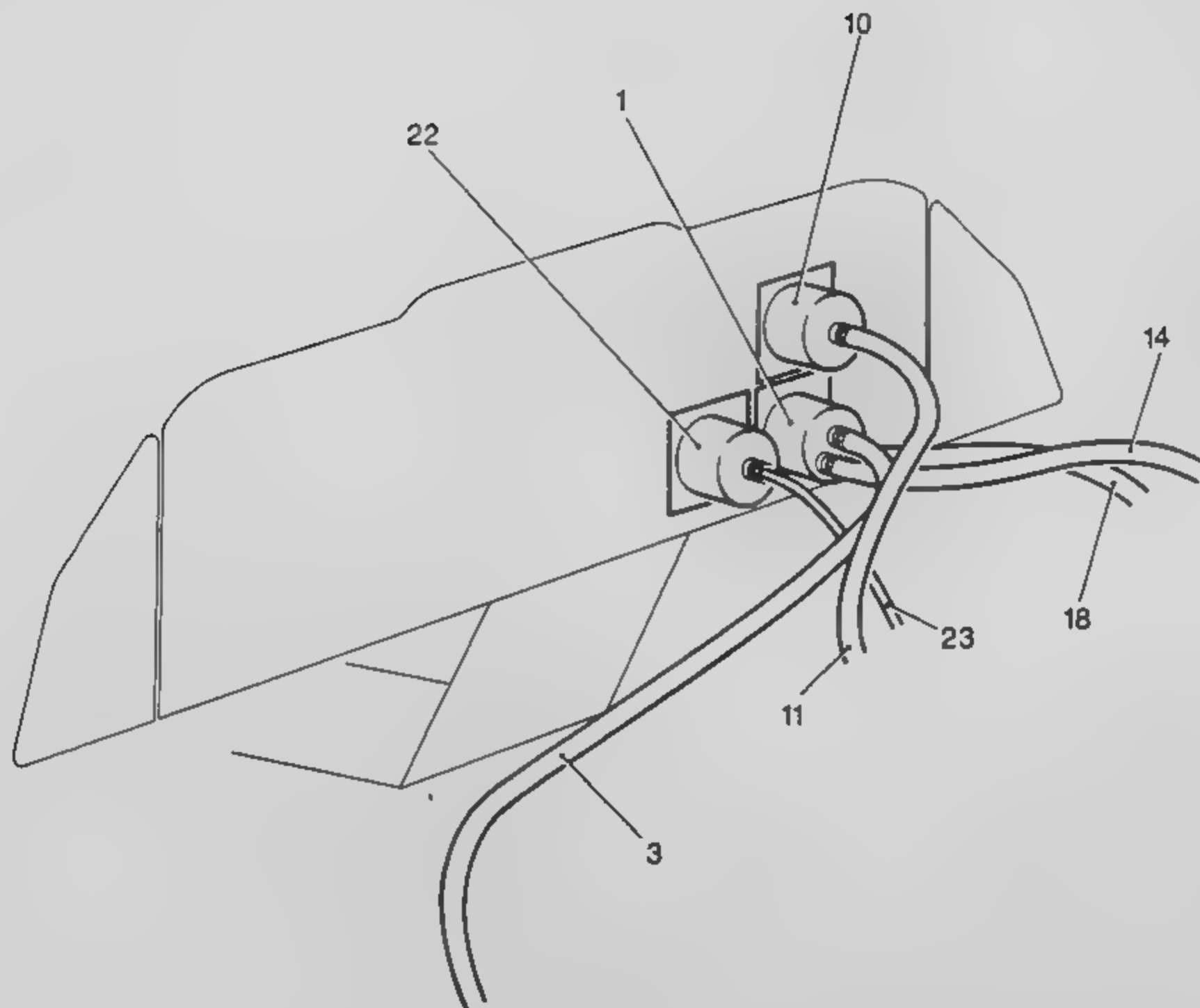


Fig. 2 Engine and Electrical Instruments
(E.C.U. items deleted)

Supplementary page for MCE Mod 2002

General Instruments
Engine and Electrical

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-3	BH-80-827	.Hose assy., fuel pressure (Mod. 8)		1
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INSERT

-3	AN6270-4D-0450	.Hose assy.		1
-10	BH-80-317	.Gauge, pressure, oil temp (Chap.28-2 Fig.1)		RF
-11	AN6270-4D-0270	.Hose assy.		1
-14	BH-80-817	.Hose assy.		1

General Instruments
Engine and Electrical

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-80-007	.	Installation of Instruments.....		RF
-1	BH-80-461	.	Gauge, manifold/fuel pressure (Chap.28-2 Fig.1).....		RF
-2	A816-4D	.	Union adaptor.....		4
-3	BH-80-827	.	Hose assy, fuel pressure (Mod 8).....		1
-4	AN832-3	.	Union adaptor, bulkhead.....		RF
-18	BH-80-823	.	Hose assy, vent (Mod 8).....		1
-21	AN924-5D	.	Nut,lock.....		1
-22	BH-80-321	.	Indicator, RPM (Chap 28-2 Fig.1).....		RF
-23	BH-80-415	.	Drive, tachometer.....		1
			Alternative		
R	BH-80-1353	.	Drive,tachometer.....		1
-24	BH-81-633	.	Panel assy, starter (Chap.55-1, Fig.3).....		RF

Chapter 29

EMERGENCY EQUIPMENT

CONTENTS

		Chap. Sect.
	Equipment and stowages	29 - 1
R	Escape hammer	29 - 2

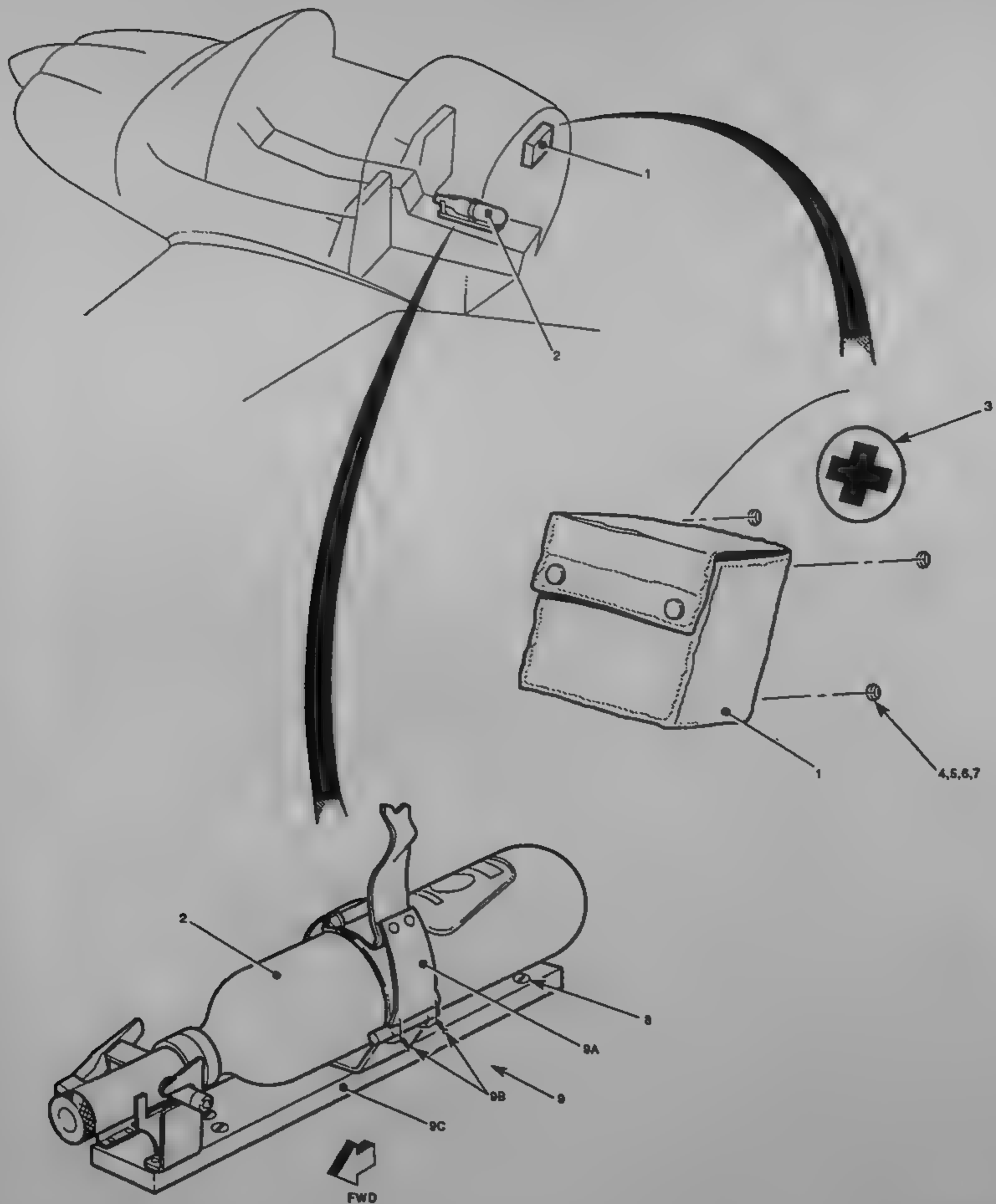
Chapter 29

EMERGENCY EQUIPMENT

Section 1

CONTENTS

		Page
	Equipment Stowages	2
R	Escape hammer	4



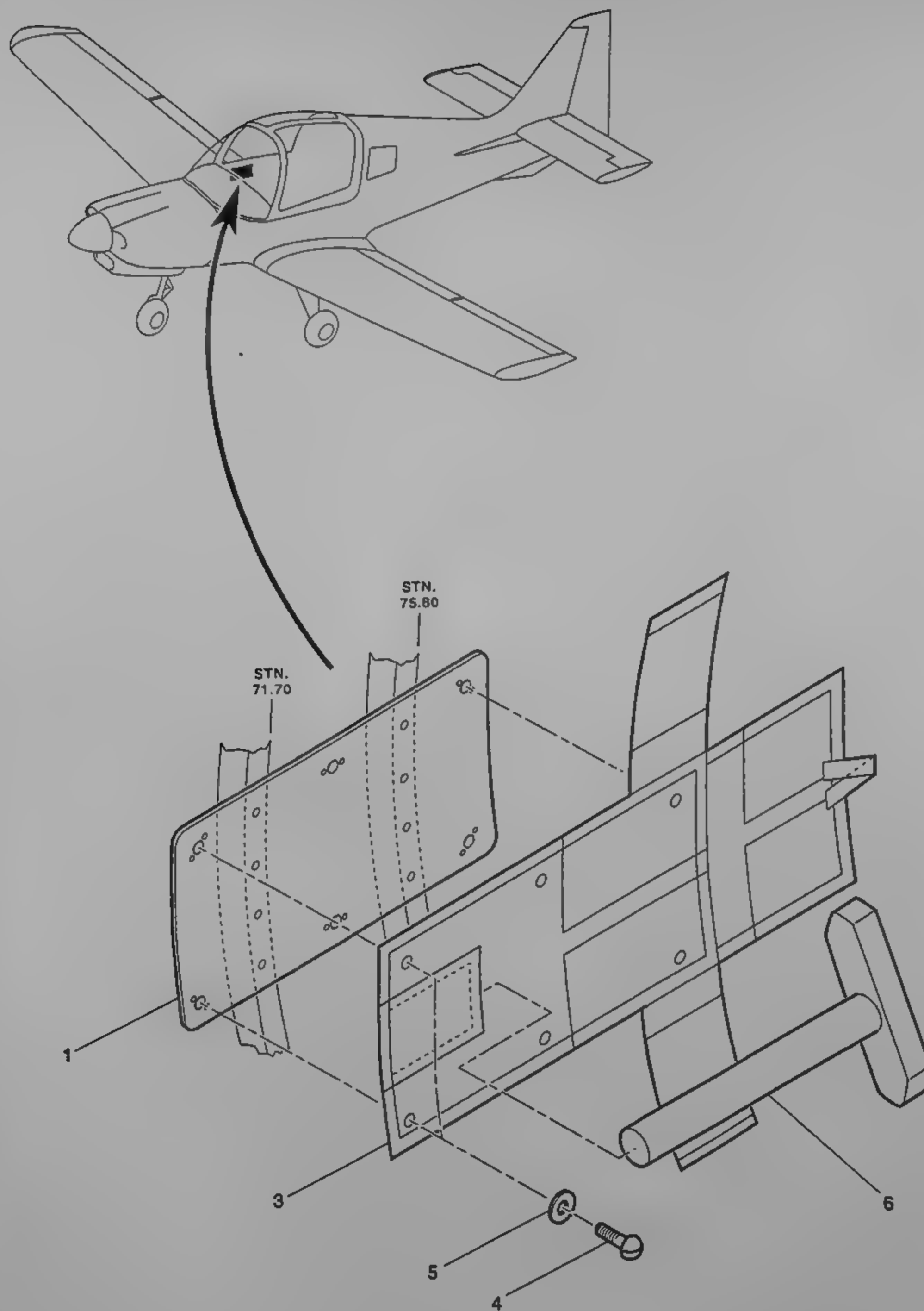
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Fig. 1 Emergency Equipment and Stowage

Emergency Equipment
Equipment and Storage

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-60-033		Emergency stowages (Mod. 85)		RF
-1	BH-60-035		. Satchell, first aid kit		1
	-		. Kit, first aid (Service supply)		1
-2	TYPE 34H		. Extinguisher fire (Graviner) (Ref. No 27N/1042111)		1
-3	SAL261/178		. Label, Red Cross ('3M' Co)		1
-4	G/J4/00759/00/000		. Stud, fastener (Carr)		4
-5	H10-06		. Nut (Kaylock)		4
-6	S-126B		. Washer		4
-7	A204-B24		. Screw, 6-32 UNC x 3/4 in		4
-8	A173-2D		. Bolt, 10-32 UNF		4
-9	BH-60-079		. Bracket assy., fire extinguisher (Mod. 11)		1
-9A	TYPE 27B		. . Bracket (Graviner) (Ref. No. 27N 1680-99-4526491) (Mod. 11)		1
-9B	-		. . Wire, copper, enamelled, 28 SWG		
-9C	BH-60-077		. . Plate, guard (Mod. 190)		1
			(Ref. 5E/52535563) (Mod. 190)		1
R	-9D†		. . Decal (Fire extinguisher) (Ref. No. 32B/2529314)		2

† Item not illustrated



120SM/399A

Fig.2. Escape hammer

Escape
Hammer

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-10-3097		Lower fuselage structure(Mod. 272)		RF
-1	BH-60-092		. Mounting plate assy		1
-2†	AGS4720-407		. . Rivet (Advel 100° CSK head)		8
-3	BH-60-086		. Escape hammer pouch assy		1
-4	A113-1G		. . Screw, 8-32 UNC mush head.....		6
-5	SP124C		. . Washer 8-32 UNC		6
-6			. Escape hammer		1
-7†	SAL261-389		. Label		1

† Item not illustrated

Chapter 30

R

**FURNISHINGS, INTERIOR EQUIPMENT
AND EXTERNAL MARKINGS**

CONTENTS

R

	Chap. Sect.
Pilot and co-pilot's seat	30 - 1
Internal trim	30 - 1
Cabin sound proofing	30 - 1
External markings	30 - 2

Chapter 30

R

**FURNISHINGS, INTERIOR EQUIPMENT
AND EXTERNAL MARKINGS**

Section 1

CONTENTS

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Pilot and co-pilot's seat	2
Internal trim	4
Cabin sound proofing	6

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DETAIL A
PRE MOD
202

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DETAIL A
POST MOD
202

14A

16A

22

23

25

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15A

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31A

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24

13A

Fig. 1 Pilot and Co-Pilot's Seat

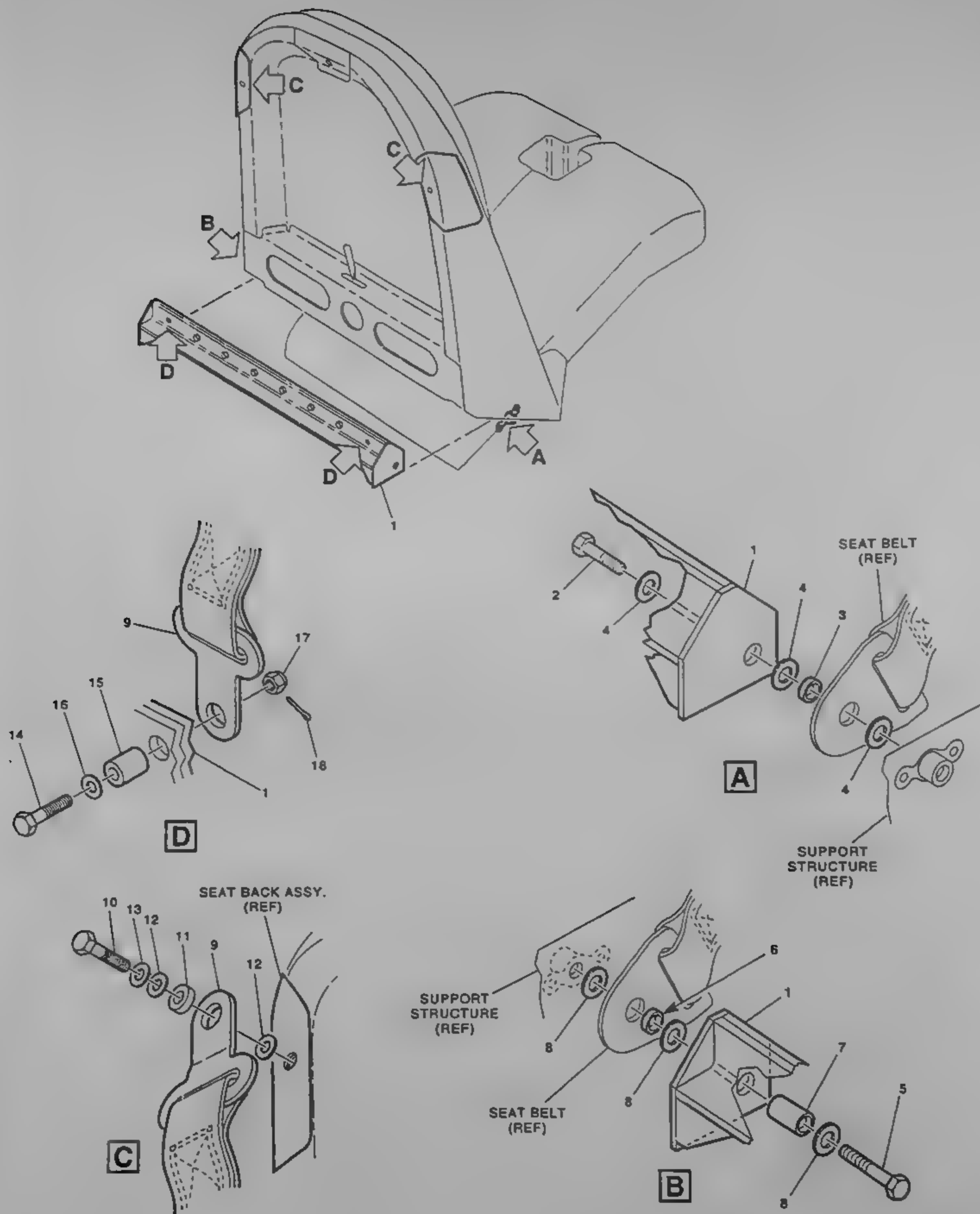
Furnishing and Internal Equipment
Pilot and Co-Pilot's Seat

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
	1-	BH-16-711/712	Pilot and co-pilot's seat installation.....		RF
	-1	BH-16-793	. Seat back assembly (25G) (Mod. 123) (Pre-Mod. 202)		1
R	-1A	BH-16-865	. Seat back assembly (25G) (Post Mod. 266) (Pre-Mod. 274)		1
R	-1B†	BH-16-889	. Seat back assembly (25G) (Post Mod. 274)		1
R	-1C†	BH-16-887	. . Plate (Mod 274)		1
	-2†	BH-16-677	. . Cover, mechanism (Pre-Mod. 202)		1
	-2A†	BH-16-829	. . Cover mechanism (Mod. 202)		1
			Attaching parts		
	-3	BH-10-3131	Spacer		1
	-4	BDS39/A102/17J	Bolt, 3/8in. UNF		1
	-5	SP122-J	Washer		2
	-6	SP127-N	Washer (thin)		1■
	-7	AS8211/8/161	Tube, distance		1
	-8	SP125-N	Washer (thick)		2
	-9	BDS39/A102/15J	Bolt, 3/8in. UNF		1
	-10	AS4561/1	Tab, wire locking		4
	-11	BH-16-541	. . Cable assy, seat retaining		1
	-12†	F29589-08-1	. . Nut, clip (Kaklock)		1
	-13	BH-16-865	. . Plunger (Pre-Mod. 202)		2
	-13a	BH-16-827	. . Plunger (Mod. 202)		2
	-14	BH-16-505	. . Lever, actuating, seat back release (Pre-Mod, 202)		1
	-14A	BH-16-825	. . Lever, actuating, seat back release (Mod. 202)		1
	-15	BE-16-1007	. . Rod, connecting (Pre-Mod. 202)		1
	-15A	BH-16-821	. . Rod, connecting (Mod. 202)		1
	-16	BH-16-487	. . Rod, connecting (Pre-Mod. 202)		1
	-16A	BH-16-823	. . Rod, connecting (Mod. 202)		1
	-17†	-	. . Pin, spring 3/32in. (Sel-lok)		2
	-22	SP122-D	. . Washer		5
	-23	SP90-C4	. . Pin, split		5
	-24	SP4Y-B5	. . Pin, steel		2
	-25	SP4Y-B1	. . Pin, steel		2
	-26	BH-16-10013	. . Spacer		1
	-27	A173-4D	. . Bolt 10-32 UNF		1
	-27A	A113-4D	. . Bolt 10-32 UNF (Retro: Mod. 202, Drg. BH-16-835)		1
	-28	A103-DS	. . Nut		1
	-29	BE-16-10079	. . Washer (special)		1
	-30†	SP23-C	. . Washer		1
	-31	AP3432	. . Spring (Flexo Steels) (pre-Mod. 202)		1
	-31A	AP3424	. . Spring (Flexo Steels) (Mod. 202)		1
	-32†	AS2808-6-035	. . Piece, distance		1
	-33	A102-3D	. . Bolt, 10-32 UNF		1
	-34†	H-10-3	. . Nut (Keylock)		1
	-35	BH-16-10081	. . Plate, mounting (Pre-Mod. 202)		1
	-35A	BH-16-831	. . Plate, mounting (Mod. 202)		1
	-36	BH-16-455	. Trim, seat back (Fibre glass)		RF
	-37	BE-16-10063	. . Cushion, seat back		1
	-38	BH-16-459	. . Cloth, upholstery		AR
			(Make from A320F/4305 or alternative A308F/50/1492 "AMBLA" colour, Green. J. Cox & Sons Ltd.)		
	-39	BH-16-457	. . Shell, seat back (Fibre glass)		1
	-43	BH-16-583	. Pocket document (Co-pilot only)		1
R	-44	A113-2D	. Bolt, 10-32 UNF		3
R	-44A†	AS8600D	. Washer		3
R	-45	SP126-D	. Washer		3
R	-46†	SP18C	. Washer		3
	-48	BH-16-691	. Cushion assy, seat (Pilot and co-pilot)		1
	-49	GQ802	. Harness, seat (5 strap) pilot and co-pilot (RFD-GQ Ltd.)		1
			Attaching parts		
	-50	BDS39/A102/3E	Bolt, 1/4in. UNF		1
	-51	SP18-E	Washer		1
	-52	SP122-E	Washer		1
	-53	AS8602/E	Nut, anchor		1

Furnishing and Internal Equipment
Pilot and Co-Pilot's Seat

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
			† Item not illustrated		
-54	BDS39/A102/4G		Bolt, 5/16in. UNF		2
-55	SP18-J		Washer (Large)		4
-56	AS806/6/030		Tube, distance		2
-57	A102-2E		Bolt, 1/4in. UNF Crotch strap attachment		2
-58	SP122-E		Washer		2

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Fig. 1A
Seat back and restraint straps

Furnishings and Internal Equipment
Pilot and Co-pilot's Seat

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1A-	BH-16-711/712		Pilot and Co-pilot's seat installation.....		RF
R -1	BH-16-869		. Port lap strap anchorage beam		1
R -1A†	BH-16-870		. Stbd. lap strap anchorage beam.....		1
			Attaching parts		
-2	BDS.39. A102-5G		5-16 UNF. Bolt		1
-3	BH-16-883		Distance tube		1
-4	SP122-G		Washer		3
-5	BDS.39.A102-9G		5-16 UNF. Bolt		1
-6	BH-16-881		Distance tube		1
-7	SP122-G		Washer		3
-8	BH-16-881		Distance tube		1
-9			Seat back restraint straps		2
			Attaching parts		
-10	BDS.39. A102-3E		1-4 UNF Bolt.....		2
-11	BH-16-885		Distance tube.....		2
-12	SP122-E		Washer		4
-13	SP18-E		Washer		2
-14	A102-6G		5-16 UNF Bolt		2
-15	BH-16-879		Distance tube.....		2
-16	SP122-G		Washer		4
-17	A103-6C		5-16 castellated nut.....		2
-18	SP0C4		Split pin		2

† Item not illustrated

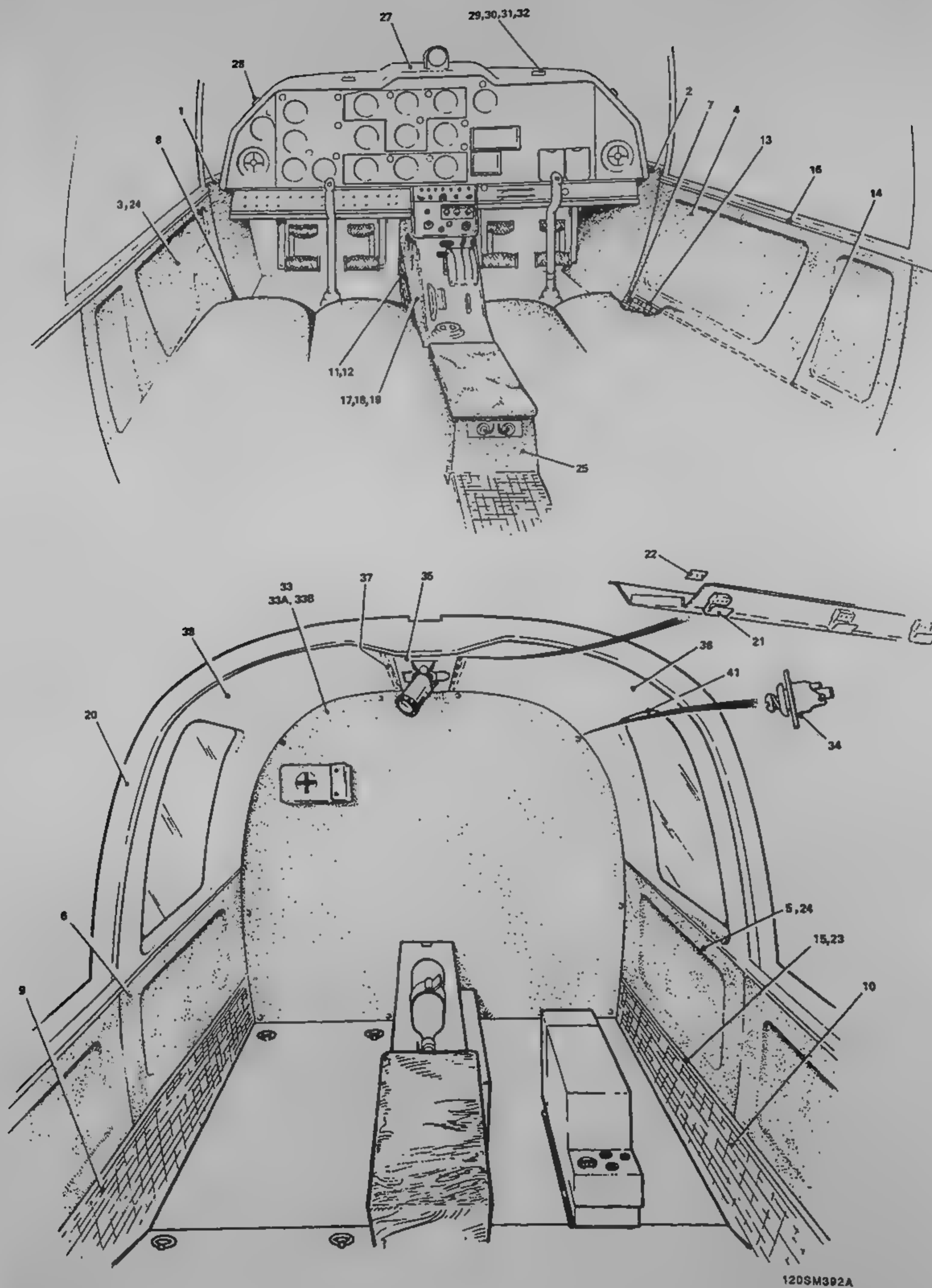


Fig. 2 Internal Trim

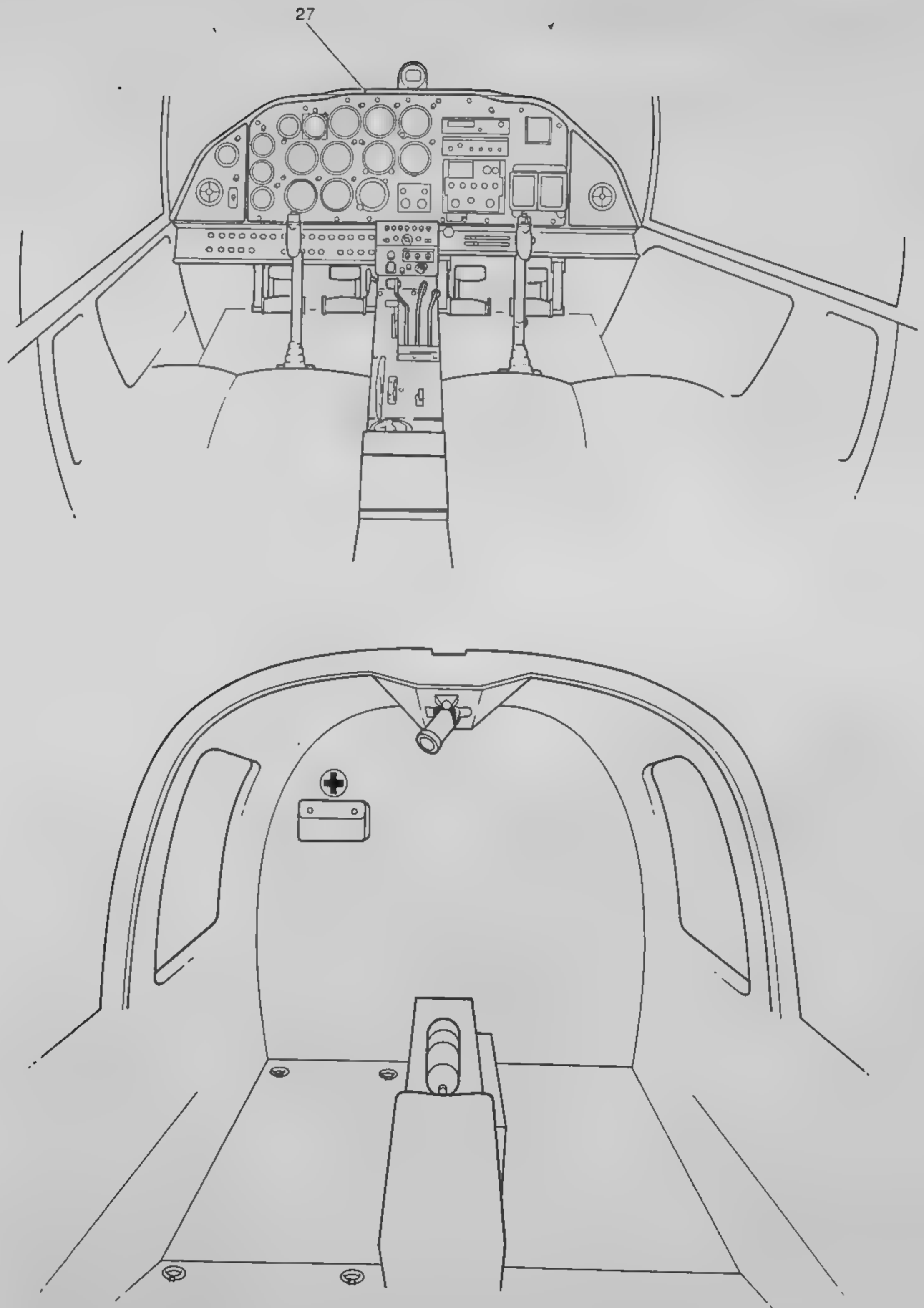


Fig. 2 Internal Trim

Supplementary page for MCE Mod 2002

Furnishing and Interior Equipment
Internal Trim

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-27	BH-18-483	.Coaming assy., (Mod. 17)		1
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INSERT

-27	M-R9-10-0003	.Coaming assy., (MCE)		1
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Furnishing and Interior Equipment
Internal Trim

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
2-	BH-18-003		G.A. of internal trim		1
-1	BH-18-093		. Panel, side, forward-port		1
-2	BH-18-094		. Panel, side forward-stbd		2
-2A#	BH-18-539		. Plate, mounting (Mod. 182)		1
-3	BH-18-106		. Panel, side centre-port		1
-4	BH-18-105		. Panel, side centre-stbd		1
-5	BH-18-097		. Panel, side trim aft-port		1
-6	BH-18-098		. Panel, side trim aft-stbd		1
-7	BH-18-111		. Trim, lower sidewall, forward-stbd		1
-8	BH-18-112		. Trim, lower sidewall, forward-port		1
-9	BH-18-113		. Trim, lower sidewall, rear-stbd		1
-10	BH-18-114		. Trim, lower sidewall, rear-port		1
-11	BH-18-225		. Trim, console		1
-12	BH-18-226		. Trim, console		1
-13	BH-18-351		. Bead, sidewall, forward (20.0 in. Lg.) port and stbd		2
-14	BH-18-353		. Bead, sidewall, centre (6.0 in. Lg.) port and stbd		2
-15	BH-18-355		. Bead, sidewall, rear (44.5 in. Lg.) port and stbd		2
-16	BH-18-349		. Bead, P.V.C., sidewall (73.0 in. Lg.) port and stbd		2
-17	BH-18-357		. Trim, console box, port (Make from 26NS/6056000)		1
-18	BH-18-358		. Trim, console box, stbd (Make from 26NS/6056000)		1
-19#	BH-18-359		. Undersheeting, foam, port and stbd		2
-20	BH-18-479		. Trim, roll (Mod. 38)		1
			Attaching parts		
-20A#	A260-5035		Screw pan head		6
-20B#	BH-18-481		Washer		6
-20C#	AS2810/6/080		Tube, distance		6
-20D#	09-184		Rawinut type 5140		6
-21	BH-18-289		. Clip, headset stowage		3
-22	BH-18-291		. Plate, (Make from 30B/9611220)		3
-23#	ART4002		. Screw, No. 4 x 1/2 in. Lg. (G.K.N.)		A/R
-24#	ART4004-81		. Screw, No. 8 x 3/8 in. Lg. (G.K.N.)		40/42
-25	BH-18-395		. Box assy., glove, (Chap. 28-1, Fig. 3)		RF
-27	BH-18-483		. Coaming assy., (Mod. 17)		1
-28	BH-18-345		. Wing bolt		4
-29	BH-18-435		. Clip, map		2
-30#	A173-1C		. Bolt, 8/32 UNC		4
-31#	H-10-3		. Nut (Kaylock)		4
-32#	SP124-C		. Washer		4
-33	BH-18-123		. Panel		1
-33A	BH-18-125		. Panel		1
-33B	V325F/50/113NR		. Vynide		A/R
-34			. Fastener assy., (Camloc)		10
	212-12		. Receptacle		10
	2600-9		. Stud		10
	2600-SW		. Washer, retainer		10
-35	BH-18-101		. Panel, roof centre		1
-36	BH-18-099		. Panel, trim, rear window, port		1
-37	BH-18-347		. Angle, 30.0 in. Lg. port and stbd		2
-38	BH-18-100		. Panel, trim, rear, window, stbd		1
-41	BH-18-10011		. Strip, sealing-silicone rubber-white (Segrist-Oral)		A/R
			Alternative		
			. Strip, sealing, neoprene compound N2 (Hall & Hall Ltd.)		A/R

Item Not Illustrated

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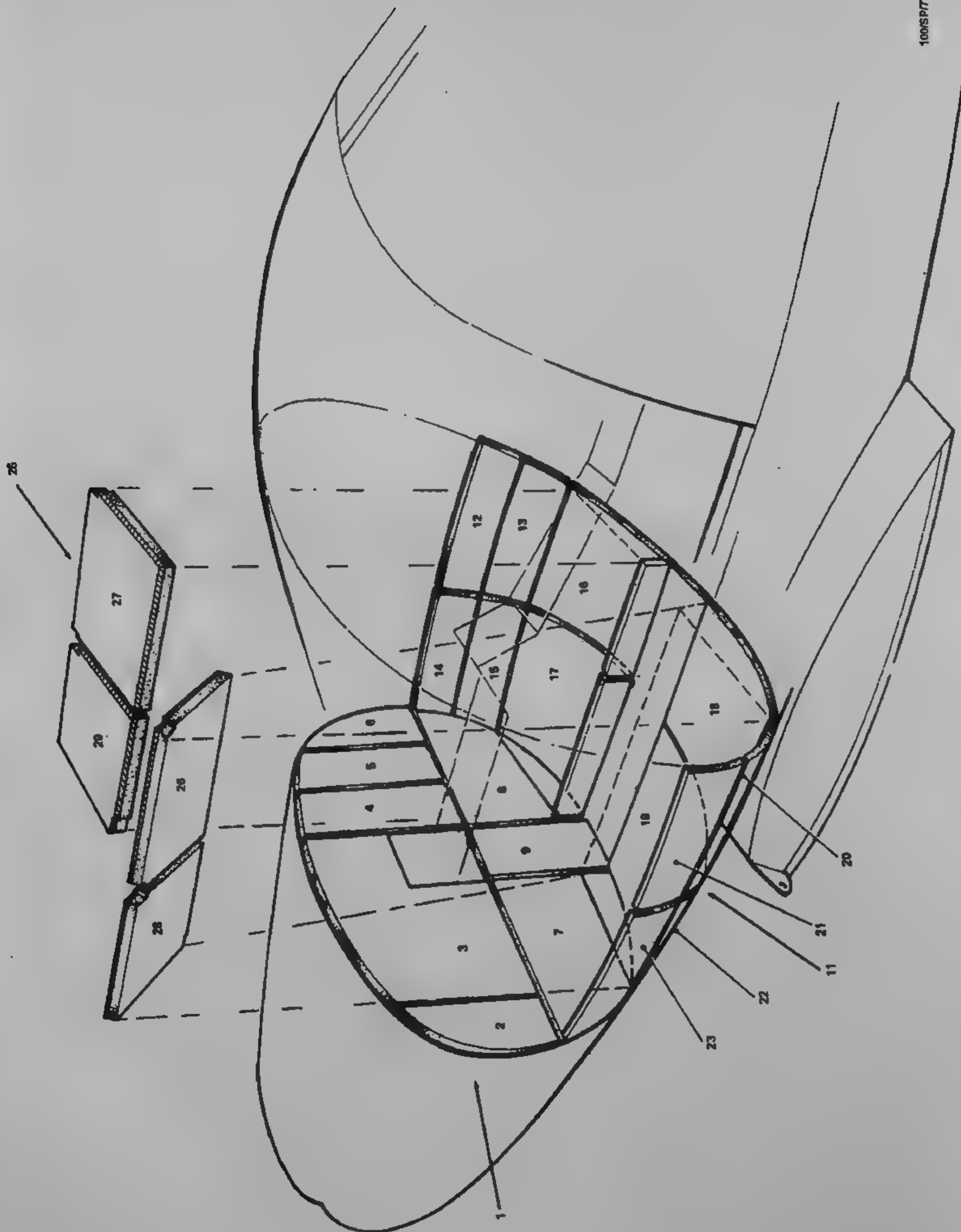


Fig. 3 Cabin soundproofing

Furnishing and Interior Equipment
Cabin Sound Proofing

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-1	BH-18-075		Sound proofing on firewall		RF
-2	BH-18-077		. Panel		1
-3	BH-18-079		. Panel		1
-4	BH-18-081		. Panel		1
-5	BH-18-083		. Panel		1
-6	BH-18-085		. Panel		1
-7	BH-18-087		. Panel		1
-8	BH-18-089		. Panel		1
-9	BH-18-137		. Panel		1
R	Not Used				
			Make from 3/4 in. thick Polyester foam (Kay Bros)		A/R
-11	BH-18-235		Sound proofing in lower fuselage under floor		RF
-12	BH-18-235A		. Panel ..		1
-13	BH-18-235B		. Panel		1
-14	BH-18-235C		. Panel		1
-15	BH-18-235D		. Panel		1
-16	BH-18-235E		. Panel		1
-17	BH-18-235F		. Panel		1
-18	BH-18-235G		. Panel		1
-19	BH-18-235H		. Panel		1
-20	BH-18-235J		. Panel		1
-21	BH-18-235K		. Panel		1
-22	BH-18-235L		. Panel		1
-23	BH-18-235M		. Panel		1
			Make from 1/2 in. thick superfine glass fibre DTD 900/4140		A/R
-24	528		. Adhesive — Evostik (Ref. No. 33H/243)		A/R
-25	BH-18-233		Sound proofing on cabin floor		RF
-26	BH-18-275		. Panel, stn. 44.25 to front spar, port		1
-27	BH-18-276		. Panel, stn. 44.25 to front spar, stbd.		1
-28	BH-18-277		. Panel, firewall to stn. 44.25, port		1
-29	BH-18-278		. Panel, firewall to stn. 44.25, stbd.		1
			Make from 1/2 in. thick foam sheet DF119 Dunlop		

Chapter 30

R

**FURNISHINGS, INTERIOR EQUIPMENT
AND EXTERNAL MARKINGS**

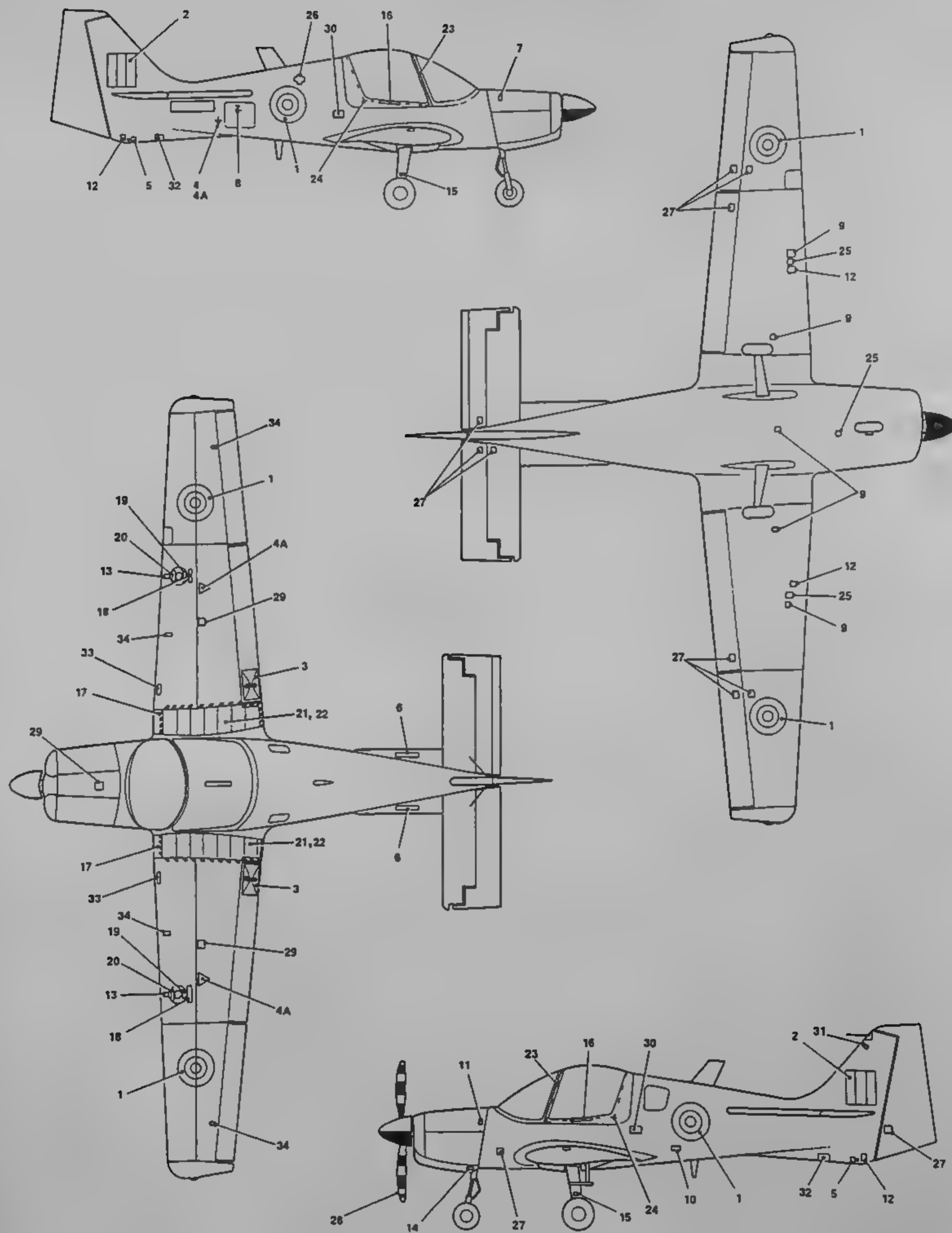
Section 2

CONTENTS

R

External markings

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Fig. 1 External Markings

External Markings

Fig			Nomenclature						Usage	Units
Index	Part No.		1	2	3	4	5	6	Code	per Assy.
R 1-	BH-00-527		G.A. of paint scheme and external markings (Pre-Mod.271)							RF
R	BH-00-536		G.A. of paint scheme and external markings (Mod.271)							RF
R -1	BE-00-287		. Roundel 18in. dia. (Pre-Mod.271).....							1
R -2	BH-00-289		. Flash, fin (Pre-Mod.271).....							2
R -3	SAL261/247		. Mark, prohibition of access (Mod.209) (Pre-Mod.271).....							2
R	BH-00-536/26		. Decal "NO STEP" (Mod.271).....							2
R -4	SAL261/61		. Mark, ground here (Mod.209) (Pre-Mod.271).....							1
R -4A	BH-00-536/19		. Decal, earth point (Mod.271)							3
R -5	SAL261/69		. Mark, tail support (Pre-Mod.271)							2
R	BH-00-536/17		. Decal, tail support (Mod.271).....							2
R -6	SAL226		. "NO PUSH" (Pre-Mod.271)							2
R	BH-00-536/28		. Decal "NO PUSH" (Mod.271)							2
R -7	SAL261/249		. Mark, engine lubricating oil (Mod.209) (Pre-Mod.271).....							1
R	BH-00-536/2		. Decal, engine oil (Mod.271).....							1
R -8	SAL261/71		. Mark, inspection of batteries (Pre-Mod.271).....							1
R	BH-00-536/29		. Decal, battery (Mod.271)							1
-9	SAL261/67		. Mark, fuel tank water drain							5
R -10	SAL261/95		. Mark, ground supply (Pre-Mod.271)							1
R	BH-00-536/15		. Decal, ground supply (Mod.271)							1
R -11	SAL261/79		. Mark, hydraulic fluid (Pre-Mod.271)							1
R	BH-00-536/1		. Decal, brake fluid (Mod.271).....							1
-12	SAL261/199		. Mark, picketing point							4
R -13	SAL261/75		. Mark, fuel (Pre-Mod.271).....							2
R	BH-00-536/22		. Decal, fuel (Mod.271).....							2
-14	SAL261/253		. Mark, tyre pressure (Mod.209).....							1
-15	SAL261/251		. Mark, tyre pressure (Mod.209).....							2
-16	SAL260		. "IN EMERGENCY BREAK GLASS"							2
R -17	BH-00-319/320		. Mark, walkway surround (cut to suit) (Pre-Mod.271)							AR
R	BH-00-536/27		. Decal, walk area (Mod.271).....							AR
R -18	SAL261/207		. Fuel, "Avgas" (Pre-Mod.271).....							2
R -19	BH-00-536/30		. Decal, fuel, "Avgas" (Mod.271)							2
R -20	BH-00-536/31		. Decal, fuel, "100LL" (Mod.271).....							2
R -21	-		. Safety walk - black (Ref. Drg. BH-00-213) (3M Ltd.)							AR
R -22	-		. Compound, edge sealing (for item 21) (3M Ltd.).....							AR
R -23	SAL261/208		. Mark, break in point (Dash---).....							16
R -24	SAL261/209		. Mark, break in point (Corner L)							4
R -25	SAL261/201		. Mark, jacking point.....							3
R -26	SAL261/65		. Mark, red cross (Pre-Mod.271)							1
R	BH-00-536/6		. Decal, medical logo (Mod.271)							1
R -27	SAL261/241		. Mark, component finish specification (Pre-Mod.271).....							11
R	BH-00-536/7		. Decal, finish and manufacturer (Mod.271).....							11
R -28	BH-00-481		. Propeller conspicuity markings (Pre-Mod.271)							RF
R -29	SAL261/93		. Mark, hoisting point (Pre-Mod.209)							3
R	SAL261/203		. Mark, hoisting point (Mod.209)							3
R -30	BH-00-535		. Mark, fire extinguisher (Mod.261) (Pre-Mod.271).....							2
R	BH-00-536/13		. Decal, fire extinguisher, port (Mod.271)							1
R	BH-00-536/14		. Decal, fire extinguisher, stbd. (Mod.271).....							1
R -31	BH-00-536/10		. Decal, antenna warning (Mod.271).....							1
R -32	BH-00-536/16		. Decal, antenna warning (Mod.271).....							2
R -33	BH-00-536/24		. Decal, keep off (Mod.271)							2
R -34	BH-00-536/25		. Decal, incidence check points (Mod.271)							4

Chapter 40

POWER PLANT

Section 1

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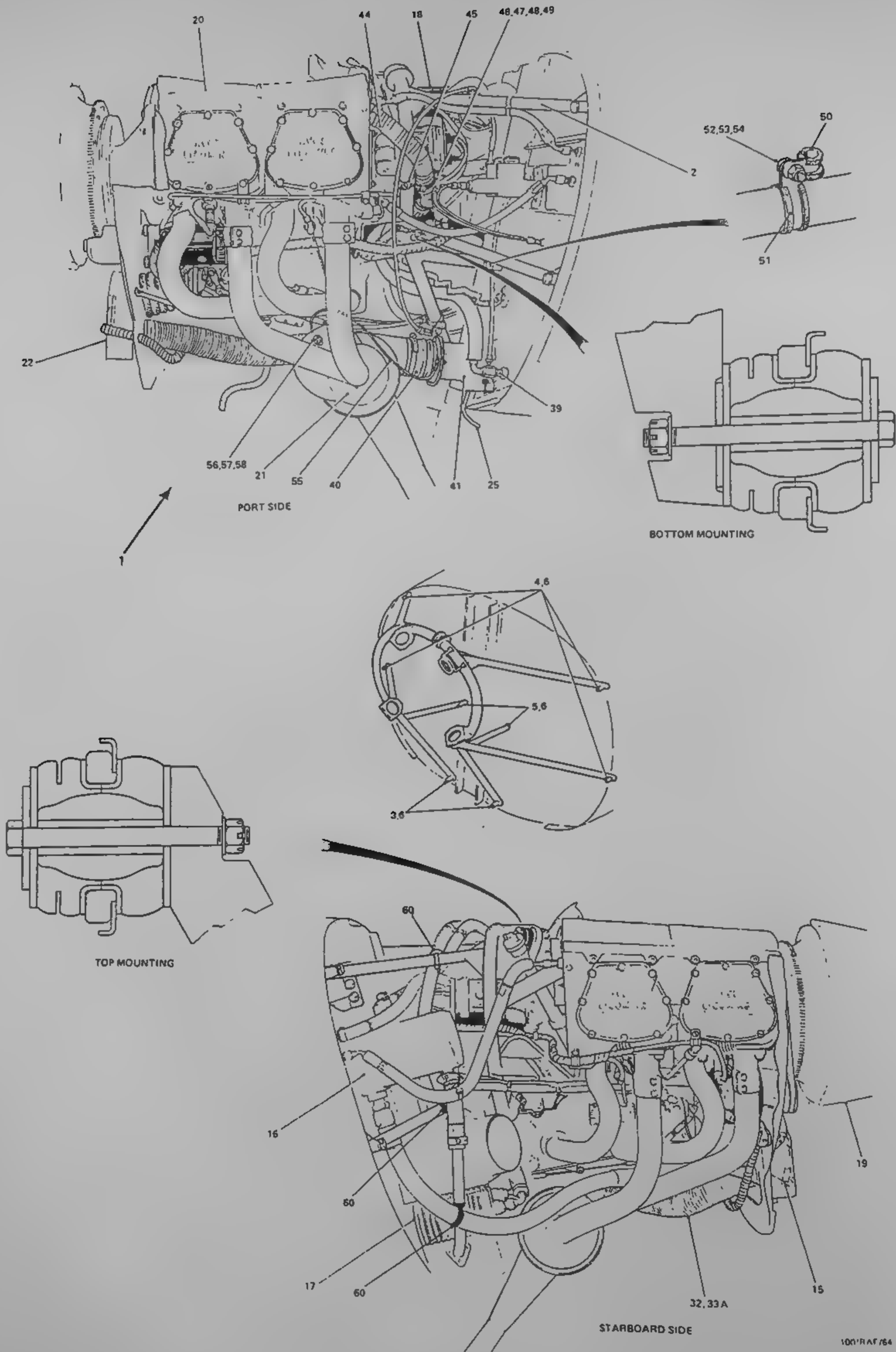
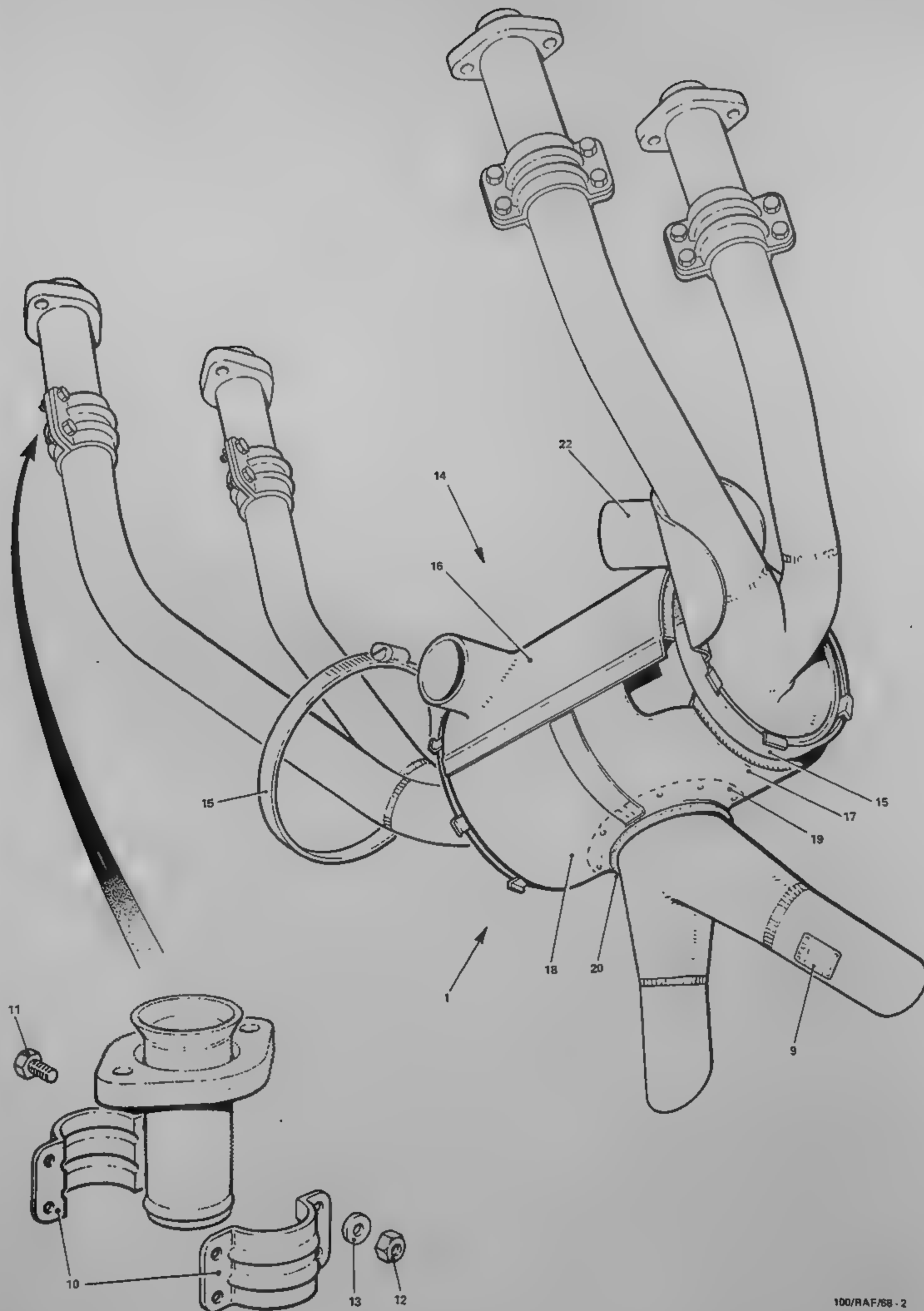


Fig. 1 Power Plant Installation

Power Plant
Power Plant Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-51-001		Engine installation.....		RF
-1	10-360-A1B6		. Engine assy. (Lycoming).....		1
-2	BH-51-629		. Mount, engine.....		1
			Attaching parts (Bulkhead)		
R -3	BDS39/A102-12J		Bolt, 3/8 in. UNF.....		2
R -4	BDS39/A102-14J		Bolt, 3/8 in. UNF.....		4
R -5	BDS39/A102-38J		Bolt, 3/8 in. UNF.....		2
R -6	SP10-J		Washer.....		8
For engine attachments refer to Figs. 6 and 8					
-15	BH-47-001		. Engine control installation (Chap. 40-2, Fig. 1).....		RF
-16	BH-51-313		. Oil separator installation (Chap. 43-1, Fig. 1).....		RF
-17	BH-51-323		. Oil cooler installation (Chap. 43-1, Fig. 1).....		RF
-18	211CC		. Pump, vacuum system (Chap. 28-1, Fig. 2) (Mod. 49).....		RF
-19	BH-54-001		. Propeller and spinner installation (Chap. 47-1, Fig. 1).....		RF
-20	-		. G.A. of engine baffles.....		RF
For spares breakdown refer to Fig.4					
-21	BH-53-283		. Exhaust manifold assy. (Fig. 2).....		RF
-22	BH-51-127		. Air filter installation (Fig. 5).....		RF
-28†	SP91-E		. Clip, hose manifold drain.....		2
-32	BH-51-695		. Hose, ram air, intake to exchanger (Mod. 33).....		1
-33†	SP91-K		. Clip, hose.....		2
-33A	SP91-M		. Clip.....		2
-39	AN832-6		. Union, bulkhead (Chap. 41-1, Fig.2).....		RF
-40	BH-74-371		. Bellows (Chap. 23-1, Fig. 1).....		RF
-41	BH-74-367		. Housing assy, valve (Chap. 23-1, Fig. 2).....		RF
-44	BH-51-681		. Duct, fuel pump cooling (Mod. 31) (Fig. 4).....		2
-45	SP144-028		. Clamp worm drive (Mod. 155) (Pre-Mod. EC246).....		1
†	AS5418-16		. Clip 'P' (Mod. EC246).....		1
			Attaching parts		
†	A102-2D		Bolt.....		1
-46	AS3180-20C		. Clip 'P' (Mod. 155) (Pre-Mod. 246 and Mod. 246).....		1
			Attaching parts		
-47	A102-1D		Bolt.....		1
-48	SP122-D		Washer.....		1
-49	A125-D66		Nut.....		1
-50	MS21919WDG3		. Clip (Mod. 168).....		1
-51	MS21919DF16		. Clip (Mod. 168).....		1
			Attaching parts		
-52	A102-1D		Bolt.....		1
-53	SP124-D		Washer.....		1
-54	H10-3		Nut, stiff.....		1
-55	SS100-11-CD		. Lead, bonding (Mod. 183).....		1
			Attaching parts		
-56	A25-1/2B		Bolt.....		1
-57	SP13-B		Washer.....		1
-58	AGS2001-B1		Nut.....		1
-59†	BH-00-359		. Nameplate (ECU).....		1
-60	TY-524-M		. 'Tyrap' (Mod. 223 and Mod. 226).....		3

† Item not illustrated



**Fig. 2 Exhaust Assembly
(Mod. 114 inc.)**

Power Plant
Exhaust Assembly

	Fig & Index	Part No.	Nomenclature						Usage Code	Units per assy.	
			1	2	3	4	5	6			
R	2-	BH-53-309	G.A. of exhaust system (Mod. 114)								RF
R	-1	BH-53-317	. Exhaust.....								1
R			Items Deleted 1A to 8								
	-9	S.A.L.61	. . Plate, modification								1
			Alternative								
		S.A.L.284	. . Plate modification.....								1
	-10	BH-53-025	. . Clamp, pipe (Half)								8
			Attaching parts								
	-11	A102-1D	Bolt.....								16
	-12	H-10-3	Nut.....								16
	-13	SP126D	Washer								16
R	-14	BH-53-321	. Jacket assembly, hot air (Mod. 99).....								1
			Attaching parts								
	-15	SP91R	Clip, hose (worm drive).....								2
	-16	BH-53-311	. . Jacket assembly, hot air, upper.....								1
	-17	BH-53-313	. . Jacket assembly, hot air, lower, port								1
	-18	BH-53-315	. . Jacket assembly, hot air, lower stbd.....								1
	-19	BH-53-251	. . Ring, retaining (half)								2
	-20	BH-53-247	. . Strip, asbestos								2
	-22	BH-53-279	. . Shroud assembly, induction, hot air (Mod. 68)								1

For spares breakdown of E.C.U. see
AP102B-0102-3A

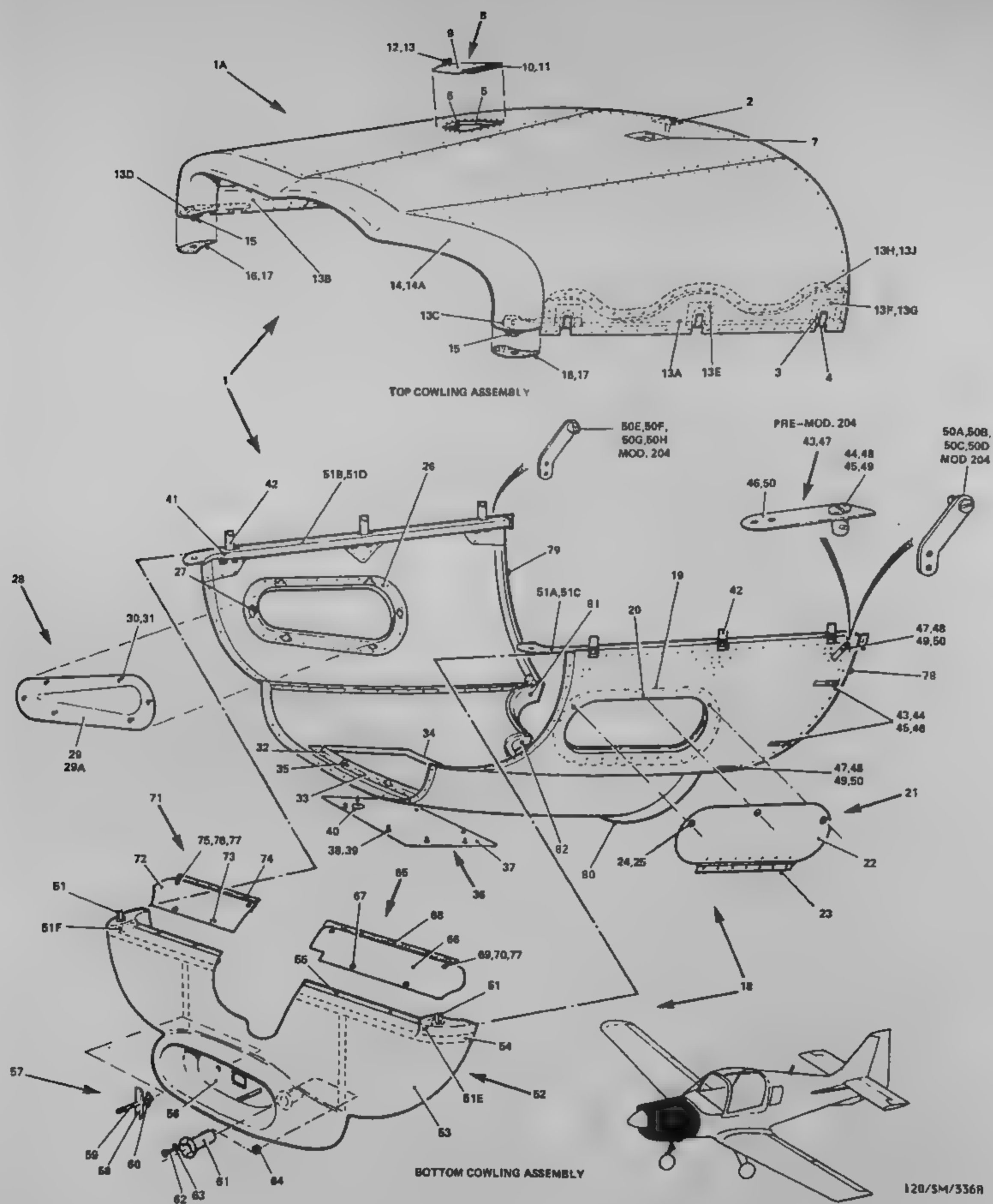


Fig.3 Engine Cowlings

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-	BH-50-201		G.A. of Engine Cowlings.....		RF
R -1	BH-50-563P		Cowling assy (top and bottom, matched pair) (Mod.204)....		1
R -1A	BH-50-507P		. Cowling assy, top (Pre-Mod. 204).....		1
R	BH-50-551P		. Cowling assy, top (Mod. 204).....		1
-2	BH-50-393		. . Dowel.....		1
-3	BH-50-419		. . Cage (Pre-Mod. 204).....		6
-4	51L7-1BF		. . Fastener, strike (Camloc) (Pre-Mod. 204).....		6
	H2439-15A080		. . Fitting assy, attachment (Mod. 204) (Hartwell).....		6
-5	BH-50-443		. . Surround, detail (Pre-Mod. 204).....		1
	BH-50-523		. . Surround, detail (Mod. 204).....		1
-6	212-12D		. . Receptacle (Camloc).....		1
-7	SAL261/203		. . Marker, hoisting point (Chap. 30-2 Fig. 1).....		RF
-8	BH-50-437		. . Door assy, oil filler access (Pre-Mod. 204).....		1
	BH-50-525		. . Door assy, oil filler access (Mod. 204).....		1
-9	BH-50-439		. . . Door, detail.....		1
-10	BH-50-441		. . . Hinge (Make from AS1877).....		1
-11	BH-50-043		. . . Piece, packing (Pre-Mod. 204).....		1
-12	2600-2W		. . . Stud (Camloc).....		1
-13	2600-LW		. . . Washer, retaining (Camloc).....		1
-13A	BH-50-291		. . Member, Zed, lower (L.H.) (Pre-Mod. 204) .		1
	BH-50-527		. . Member, Zed, lower (L.H.) (Mod. 204).....		1
-13B	BH-50-292		. . Member, Zed, lower (R.H.) (Pre-Mod. 204).....		1
	BH-50-528		. . Member, Zed, lower (R.H.) (Mod. 204).....		1
-13C	BH-50-235		. . Reinforcing, forward (L.H.) (Pre-Mod. 204).....		1
	BH-50-555		. . Reinforcing, forward (L.H.) (Mod. 204).....		1
-13D	BH-50-236		. . Reinforcing, forward (R.H.) (Pre-Mod. 204).....		1
	BH-50-556		. . Reinforcing, forward (R.H.) (Mod. 204).....		1
-13E	BH-50-557		. . Doubler (mid hinge) (Mod. 204).....		2
-13F	BH-50-559		. . Doubler (aft hinge L.H.) (Mod. 204).....		1
-13G	BH-50-560		. . Doubler (aft hinge R.H.) (Mod. 204).....		1
-13H	BH-50-293		. . Skin, dish, inner (L.H.) (Pre-Mod. 204).....		1
	BH-50-543		. . Skin, dish, inner (R.H.) (Mod. 204).....		1
-13J	BH-50-294		. . Skin, dish, inner (R.H.) (Pre-Mod. 204).....		1
	BH-50-544		. . Skin, dish, inner (R.H.) (Mod. 204).....		1
-14	BH-50-283		. . Cowl assy, top, nose (Pre-Mod. 204).....		1
R	BH-50-561		. . Cowl assy, top, nose (Mod. 204).....		1
-14A	BH-50-299		. . . Cowl (Pre-Mod. 204).....		1
	BH-50-565		. . . Cowl (Mod. 204).....		1
-15	BH-50-511		. . . Bush, spigot.....		2
R -16	-		. . . Pad, buffer 1/8 in. thick (Neoprene DTD 5514B Grade 50)		AR
-17	528		. . . Adhesive (Evo-stik) (use with item 16).....		AR
R -17A†	PR1422 BT2		. . Sealant, edge (Mod. 204).....		AR
-17B†	5453		. . Tape, plastic film, 2 in. (3M) (Mod. 204).....		AR
-18	BH-50-509P		. Cowling assy, bottom (Pre-Mod. 204).....		1
	BH-50-553		. Cowling assy, bottom (Mod. 204).....		1
-19	BH-50-111		. . Surround detail.....		1
-20	212-12		. . Receptacle.....		3
-21	BH-50-049A		. . Door assy, plug access.....		1
-22	BH-50-109		. . . Door, detail.....		1
-23	BH-50-265		. . . Hinge (Make from AS1878).....		1
-24	26S42-1		. . . Stud (Camloc).....		3
-25	2600-LW		. . . Washer, retaining (Camloc).....		3
-26	BH-50-253		. . Surround, detail (Pre-Mod. 204).....		1
	BH-50-535		. . Surround, detail (Mod. 204).....		1
-27	212-12		. . Receptacle (Camloc).....		6

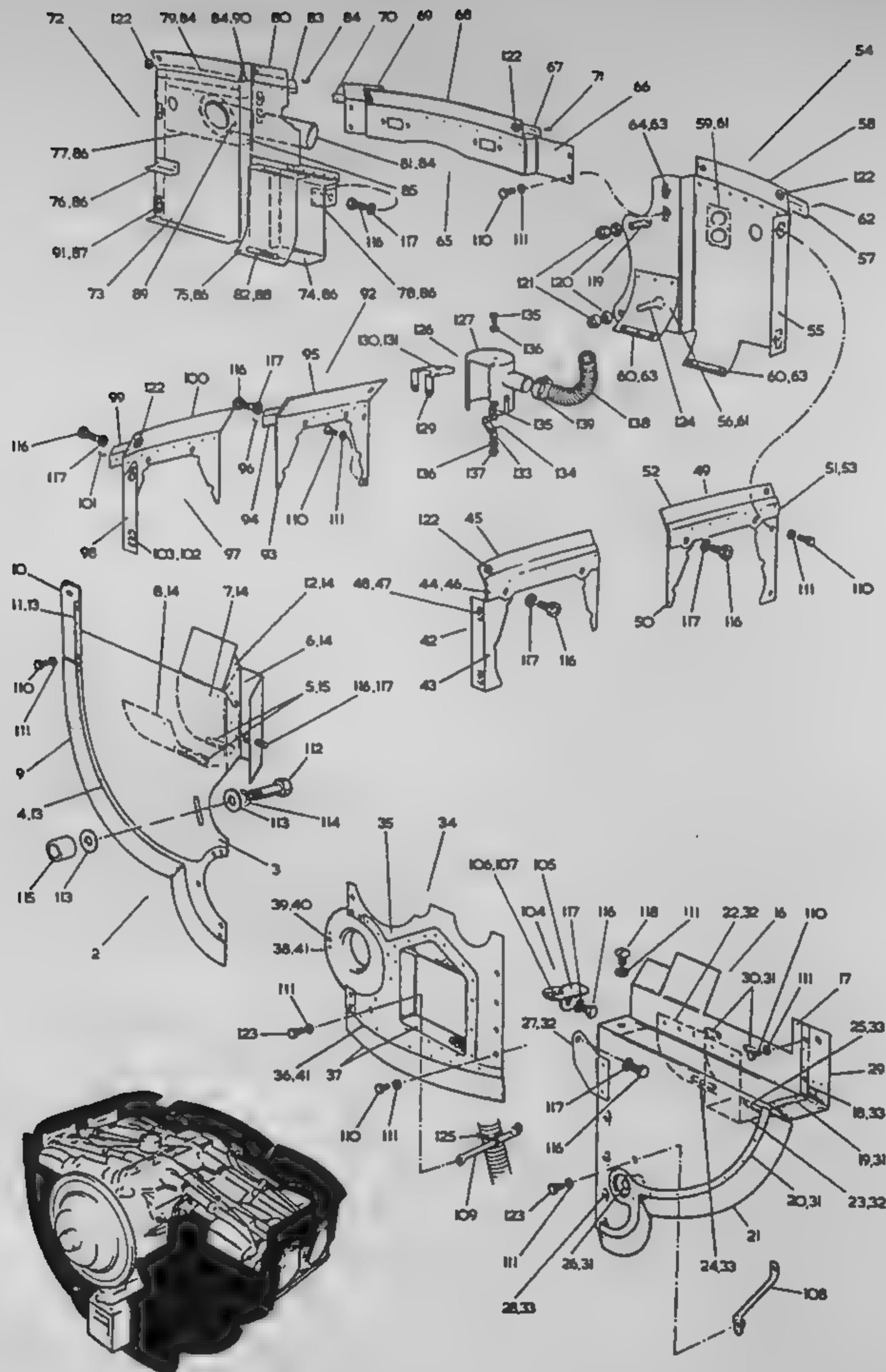
† Item not illustrated

Power Plant
Engine Cowlings

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-28	BH-50-261		.. Door assy, oil cooler intake and plug access (Pre-Mod. 204)		1
	BH-50-541		.. Door assy, oil cooler intake and plug access (Mod. 204)		1
-29	BH-50-243		... Door, detail (Pre-Mod. 204).....		1
	BH-50-539		... Door, detail (Mod. 204).....		1
-29A	BH-50-249		 Skin, door (Pre-Mod. 204).....		1
	BH-50-537		 Skin, door (Mod. 204).....		1
-30	26S39-2		... Stud (Camloc).....		6
-31	2600LW		... Washer, retaining.....		6
-32	BH-50-433		.. Surround, detail.....		1
-33	BH-50-435		.. Angle, reinforcing, forward.....		1
-34	BH-50-436		.. Angle, reinforcing, aft.....		1
-35	212-12		.. Receptacle.....		1
-36	BH-50-061A		.. Door assy, injector access.....		1
-37	BH-50-445		... Door, detail.....		1
-38	26S42-1		... Stud (Camloc).....		1
-39	2600-LW		... Washer, retaining (Camloc).....		1
-40	SP93-A20		... Grommet.....		1
-41	BH-50-421		.. Bracket, mounting (Pre-Mod. 204).....		1
-42	51L1-1X-1BF		.. Lever assy, attachment SS (Camloc) (Pre-Mod.204).....		6
	H2439-13A090		.. Housing assy. (Hartwell) (Mod.204).....		1
-43	BH-50-385		.. Fastener assy, (LH and RH).....		4
-44	A5-40		... Fastener (Dzus).....		1
-45	GA5-312		... Grommet (Dzus).....		1
-46	BH-50-383		... Blade, ejector.....		1
-47	BH-50-425		.. Fastener assy. (LH and RH) (Pre-Mod. 204) (Mod.204).....		1
-48	A5-45		... Fastener (Dzus).....		1
-49	GA5-312		... Grommet (Dzus).....		1
R -50	BH-50-383		... Blade, ejector (Pre-Mod. 204).....		1
-50A	BH-50-547		.. Self-ejecting assy. (LH) (Mod. 204).....		1
-50B	A5-45		... Fastener (Dzus).....		1
-50C	GA5-312		... Grommet (Dzus).....		1
R -50D	BH-50-545		... Blade, ejector (Mod. 204).....		1
-50E	BH-50-548		.. Self-ejecting assy. (RH) (Mod. 204).....		1
-50F	A5-45		... Fastener (Dzus).....		1
-50G	GA5-312		... Grommet (Dzus).....		1
R -50H	BH-50-546		... Blade, ejector (Mod. 204).....		1
-51	BH-50-513		.. Spigot.....		2
-51A	BH-50-233		.. Member, edge, top (LH) (Pre-Mod. 204).....		1
	BH-50-529		.. Member, edge, top (LH) (Mod. 204).....		1
-51B	BH-50-234		.. Member, edge, top (RH) (Pre-Mod. 204).....		1
	BH-50-530		.. Member, edge, top (RH) (Mod. 204).....		1
-51C	BH-50-231		.. Doubler (LH) (Pre-Mod. 204).....		1
	BH-50-531		.. Doubler (LH) (Mod. 204).....		1
-51D	BH-50-232		.. Doubler (RH) (Pre-Mod. 204).....		1
	BH-50-533		.. Doubler (RH) (Mod. 204).....		1
-51E	BH-50-553/1		.. Strip, anti-chafe (LH) (1/16 in. nylon 66) (Mod. 204).....		1
-51F	BH-50-553/2		.. Strip, anti-chafe (RH) (1/16 in. nylon 66) (Mod. 204).....		1
-52	BH-50-501		.. Cowling assy, nose, bottom (Mod. 52).....		1
-53	BH-50-503		.. Cowling, nose detail.....		1
R -54	A10		.. Seal.....		A/R
			Alternative		
	-		.. Seal, "Somrib" D section 1/2 in. (Fireproof Tank Ltd).....		1
-55	S3-175		.. Spring (Dzus).....		1
-56	BH-50-327		.. Plate, air filter register.....		1
-57	BH-50-097		.. Stud assy, air attachment.....		2
-58	BH-50-099		.. Plate, channel.....		1
-59	BH-50-101		.. Stud.....		1
-60	MK 1000-4		.. Nut, anchor.....		1

Power Plant
Engine Cowlings

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
3-61	BH-50-459	.	Pipe assembly, air cooling, alternative (Mod 52).....		1
			Attaching parts		
-62	A170-1/2C		Bolt, 8-32 UNC.....		4
-63	SP124-C		Washer, No. 8 thin		4
-64	A130-C		Nut, stiff.....		4
-65	BH-50-457	.	Plate assembly, deflector, LH (Mod 45).....		1
-66	BH-50-467	.	Plate, deflector.....		1
R -67	A3-25	.	Stud, fastener (Dzus)		2
-68	BH-50-457A	.	Seal, molded rubber, section 883, 10 3/4 in. long		
			(C.O.H. Baines).....		1
-69	SP77-306	.	Rivet.....		2
-70	SP58-B	.	Burr		4
-71	BH-50-458	.	Plate assembly, deflector, RH (Mod 45)		1
-72	BH-50-409	.	Plate, deflector.....		1
R -73	A3-25	.	Stud, fastener (Dzus)		2
-74	BH-50-458A	.	Seal, molded rubber, section 883, 10 in. long		
			(C.O.H. Baines).....		1
-75	SP77-306	.	Rivet.....		2
-76	SP58-B	.	Burr		4
-77	-	.	Adhesive, "Boscoprene" 2402		A/R
			Alternatives (Use with items 68 and 74)		
	-	.	Adhesive, "Bostik" C.....		A/R
	-	.	Adhesive, "Bostik" 1261		A/R
	-	.	Adhesive, "Bostik" Contact.....		A/R
-78	BH-50-051	.	Bottom cowl, aft edge member, port		1
-79	BH-50-052	.	Bottom cowl, aft edge member, stbd		1
-80	BH-50-053	.	Bottom cowl, fairing, edge member, port		1
-81	BH-50-054	.	Bottom cowl, fairing, edge member, stbd.....		1
-82	BH-50-373	.	Bottom cowl, fairing, edge member, center.....		1



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Fig. 4 Baffle Assembly

Baffle Assembly

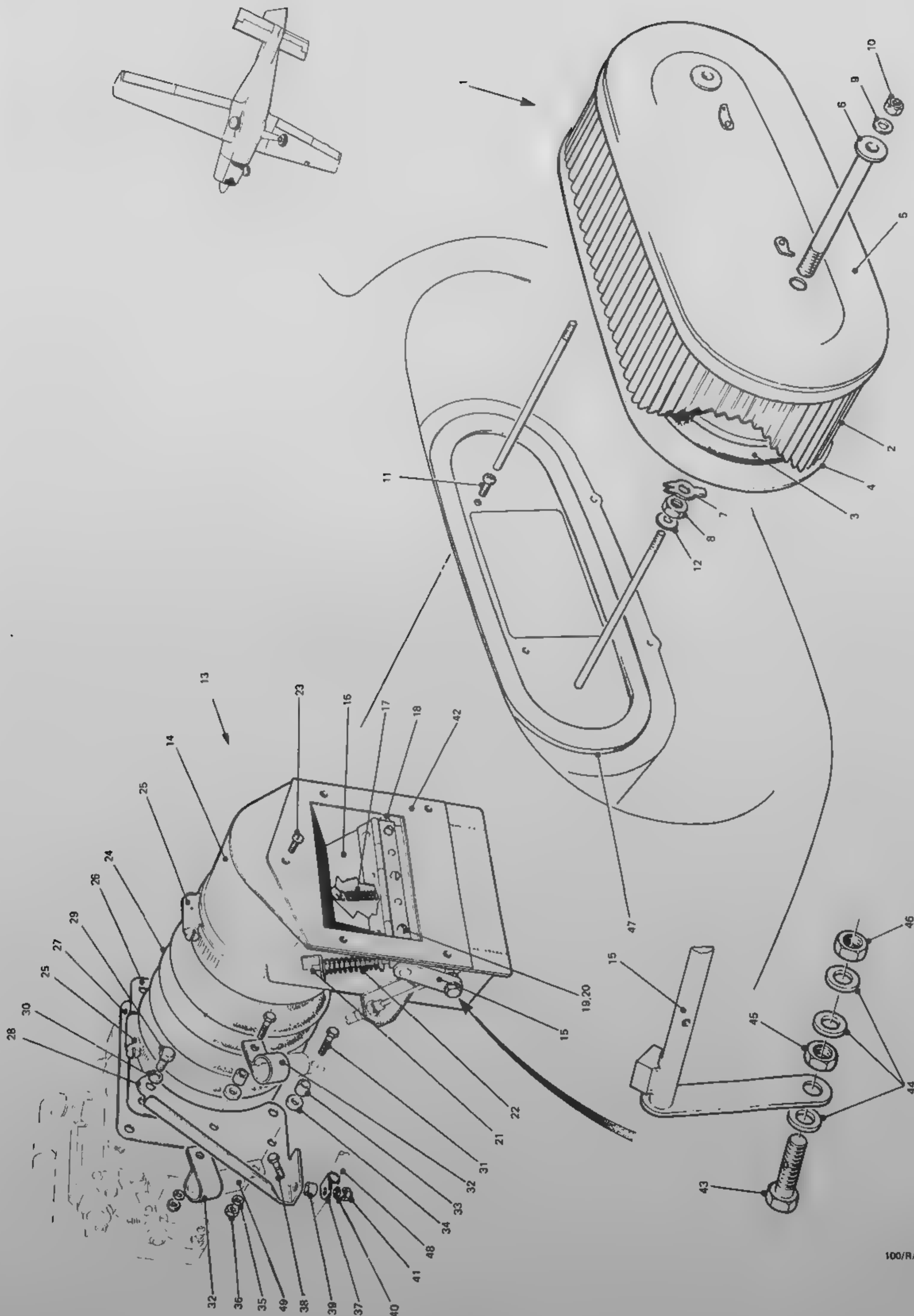
Fig. ■	Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
■	4-1	BH-51-651		Baffle assy. (Brit. Mod. 242(0))		1
■	-2	BH-51-659		. Baffle assy., right front		1
R	-3	BH-51-213		. . Plate, baffle		1
■	-4	BH-51-229		. . Strip, seal retaining		1
■	-5	BH-51-645		. . Strip, chafing		2
R	-6	BH-51-235		. . Channel		1
R	-7	BH-51-543		. . Baffle, barrel		1
■	-8	BH-51-519		. . Baffle, cylinder head		1
R	-9	BH-51-767		. . Strip, sealing		1
R	-10	BH-51-537		. . Strip, sealing		1
R	-11	BH-51-539		. . Strip		1
■	-12	BH-51-237		. . Cleat		1
■	-13	SP85-304		. . Rivet, 3/32 in. dia. Mush. Hd.		19
R	-14	SP85-303		. . Rivet, 3/32 in. dia. Mush. Hd.		12
■	-15	SP71-304		. . Rivet, 3/32 in. dia. Csk. Hd.		6
■	-16	BH-51-657		. Baffle assy., left front		1
■	-17	BH-51-211		. . Plate, baffle		1
R	-18	BH-51-217		. . Strip		1
R	-19	BH-51-219		. . Strip		1
R	-20	BH-51-221		. . Strip		1
R	-21	BH-51-763		. . Strip, sealing		1
R	-22	BH-51-175		. . Baffle, barrel		1
■	-23	BH-51-225		. . Baffle, cylinder head		1
R	-24	BH-51-645		. . Strip, chafing		1
R	-25	BH-51-646		. . Strip, chafing		1
■	-26	BH-51-677		. . Duct assy.		1
R	-27	BH-51-499		. . Angle, attachment		1
R	-28	MF1000-3		. . Nut, anchor		4
■	-29	BH-51-565		. . Strip, sealing		1
■	-30	BH-51-581		. . Strip, chafing		2
R	-31	SP85-304		. . Rivet 3/32 in. dia. Mush. Hd.		28
■	-32	SP85-303		. . Rivet, 3/32 in. dia. Mush. Hd.		7
■	-33	SP71-304		. . Rivet, 3/32 in. dia. Csk. Hd.		15
R	-34	BH-51-661		. Baffle assy., centre front		1
R	-35	BH-51-215		. . Plate, baffle		1
■	-36	BH-51-257		. . Plate		1
■	-37	BH-51-765		. . Seal		1
R	-38	BH-51-667		. . Duct inlet		1
R	-39	MF1000-3		. . Nut, anchor, 10-32 UNF		5
R	-40	SP71-304		. . Rivet, 3/32 in. dia. Csk. Hd.		10
R	-41	SP85-304		. . Rivet, 3/32 in. dia. Mush. Hd.		29
R	-42	BH-51-761		. Baffle assy., No. 2 cylinder head		1
R	-43	BH-51-161		. . Plate, baffle		1
R	-44	BH-51-773		. . Strip		1
R	-45	BH-51-167		. . Strip, sealing		1
■	-46	SP85-304		. . Rivet, 3/32 in. dia. Mush. Hd.		7
R	-47	SP71-303		. . Rivet, 3/32 in. dia. Csk. Hd.		4
■	-48	MF1000-3		. . Nut, anchor		2
■	-49	BH-51-779		. Baffle assy., No. 4 cylinder head		1
■	-50	BH-51-149		. . Plate, baffle		1
R	-51	BH-51-781		. . Strip, seal retaining		1
R	-52	BH-51-153		. . Strip, sealing		1
R	-53	SP85-304		. . Rivet, 3/32 in. dia. Mush. Hd.		7
R	-54	BH-51-647		. Baffle assy., left shoulder		1
R	-55	BH-51-177		. . Plate, baffle		1
■	-50	BH-51-575		. . Baffle, barrel		1
R	-57	BH-51-179		. . Strip, seal retaining		1
R	-58	BH-51-181		. . Strip, sealing		1
R	-59	BH-51-051		. . Fedder assy., cold air supply		1
R	-60	BH.51.645		. . Strip, chafing		2

Baffle Assembly

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
R 4-61	SP85-303	. . Rivet, 3/32 in. dia. Mush. Hd.		9
R -62	SP85-304	. . Rivet, 3/32 in. dia. Mush. Hd.		6
R -63	SP71-304	. . Rivet, 3/32 in. dia. Csk. Hd.		14
R -64	MF1000-3	. . Nut, anchor 10-32 UNF		4
R -65	BH-51-073	. Baffle assy., centre shoulder		1
R -66	BH-51-205	. . Plate, baffle		1
R -67	BH-51-207	. . Strip, seal retaining		1
R -68	BH-51-209	. . Strip, sealing		1
R -69	BH-51-553	. . Strip, sealing		1
R -70	BH-51-551	. . Strip		1
R -71	SP85-304	. . Rivet, 3/32 in. dia. Mush. Hd.		13
R -72	BH-51-643	. Baffle assy., right shoulder		1
R -73	BH-51-183	. . Plate, baffle		1
R -74	BH-51-185	. . Plate, baffle		1
R -75	BH-51-187	. . Plate, baffle		1
R -76	BH-51-189	. . Baffle, angle		1
R -77	BH-51-641	. . Gusset		1
R -78	BH-51-193	. . Bracket, attachment		1
R -79	BH-51-195	. . Strip, seal retaining		1
R -80	BH-51-197	. . Strip, sealing		1
R -81	BH-51-637	. . R.H. magneto cooling tube assy.		1
R -82	BH-51-645	. . Strip, chafing		1
R -83	BH-51-549	. . Strip, seal retaining		1
R -84	SP85-304	. . Rivet, 3/32 in. dia. Mush. Hd.		14
R -85	SP85-404	. . Rivet, 3/32 in. dia. Mush. Hd.		4
R -86	SP85-303	. . Rivet, 3/32 in. dia. Mush. Hd.		43
R -87	SP71-303	. . Rivet, 3/32 in. dia. Csk. Hd.		8
R -88	SP71-304	. . Rivet, 3/32 in. dia. Csk. Hd.		3
R -89	AGS2050-424BS	. . Rivet, pop 1/8 in. dia. Dome Hd.		2
R -90	SP58/B	. . Burr, rivet		1
R -91	MF1000-3	. . Nut, anchor		4
R -92	BH-51-775	. Baffle assy., No. 3 cylinder head		1
R -93	BH-51-155	. . Plate, baffle		1
R -94	BH-51-777	. . Strip, seal retaining		1
R -95	BH-51-159	. . Strip, sealing		1
R -96	SP85-304	. . Rivet, 3/32 in. dia. Mush. Hd.		7
R -97	BH-51-655	. Baffle assy., No. 1 cylinder head		1
R -98	BH-51-653	. . Plate, baffle		1
R -99	BH-51-783	. . Strip, seal retaining		1
R -100	BH-51-173	. . Strip, sealing		1
R -101	SP85-304	. . Rivet, 3/32 in. dia. Mush. Hd.		7
R -102	SP71-303	. . Rivet, 3/32 in. dia. Csk. Hd.		4
R -103	MF1000-3	. . Nut, anchor, 1-32 UNF		2
R -104	BH-51-663	. Angle assy.		1
R -105	BH-51-665	. . Angle		1
R -106	MF1000-3	. . Nut, anchor, 10-32 UNF		1
R -107	SP71-304	. . Rivet, 3/32 in. dia. Csk. Hd.		2
R -108	BH-51-243	. Stay assy. (Port)		1
R -109	BH-51-244	. Stay assy. (Starboard)		1
R -110	A102/1/2D	. Bolt, 10-32 UNF		19
R -111	SP127D	. Washer		21
R -112	MS20074-05-10	. Bolt, 5/16 in. UNF		1
R -113	SP58J	. Washer, burr		2
R -114	SP126G	. Washer		1
R -115	AS2808/7/050	. Tube, distance		1
R -116	MS20074-04-03	. Bolt, 1/4 in. UNC		12
R -117	SP47/E	. Washer, spring		12
R -118	A113/1/2D	. Bolt, 10-32 UNF		1
R -119	A102/1/2E	. Bolt, 1/4 in. UNF		1
R -120	SP127/E	. Washer		2

Baffle Assembly

Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
R 4-121	H10-4	. Stiffnut		2
R -122	SP93/C4	. Grommet		5
R -123	A102/2D	. Bolt, Hex. Hd., 10-32 UNF		2
R -124	A102/5E	. Bolt, Hex. Hd., 1/4 in. UNF		1
R -125	ML15	. 1.5 mm dia. Lacing, 'Monofilament' (Hellerman)		AR
R -126	BH-51-831	. Shroud assy., fuel pump cooling (Pre Brit. Mod. 244)		1
R -126A	BH-51-849	. Shroud assy., fuel pump cooling (Brit. Mod. 244)		1
R -127	BH-51-829	. . Shroud (Pre. Brit. Mod. 244)		1
R -127A	BH-51-845	. . Shroud (Brit. Mod. 244)		1
R -128	BH-51-833	. . Angle, attachment (Pre. Brit. Mod. 244)		1
R -128A	BH-51-847	. . Angle, attachment (Brit. Mod. 244)		1
R -129	BH-51-833A	. . . Angle (Pre. Brit. Mod. 244)		1
R 129A	BH-51-847A	. . . Angle (Brit. Mod. 244)		1
R -130	MF1300-06	. . . Nut, anchor (Kaylock) (Pre. Brit. Mod. 244)		2
R -130A	MK1000-06	. . . Nut, anchor (Kaylock) (Brit. Mod. 244)		2
R -131	SP71/304	. . . Rivet, 3/32 in. dia. Csk. Hd.		4
R -132	BH-51-835	. . Strap (Pre. Brit. Mod. 244)		1
R -132A	BH-51-853	. . Strap (Brit. Mod. 244)		1
R -133	BH-51-837	. . . Strap		1
R -134	BH-51-837A	. . . Felt, 3 in. x 1/2 in. x 1/16 in. thick		1
		(Pre Mod. 244)		
R -134A	BH-51-853A	. . . Felt, 3 in. x 1/2 in. x 1/4 in. thick (Brit. Mod. 244)		1
R -135	A102/1/8B	. . Bolt, 6-32 UNC		4
R -136	SP126/B	. . Washer		4
R -137	H10-06	. . Stiff nut		2
R -138	BH-51-681	. Hose, fuel pump cooling (Brit. Mod. 181)		1
R -139	SP91/F	. Clip, hose		2

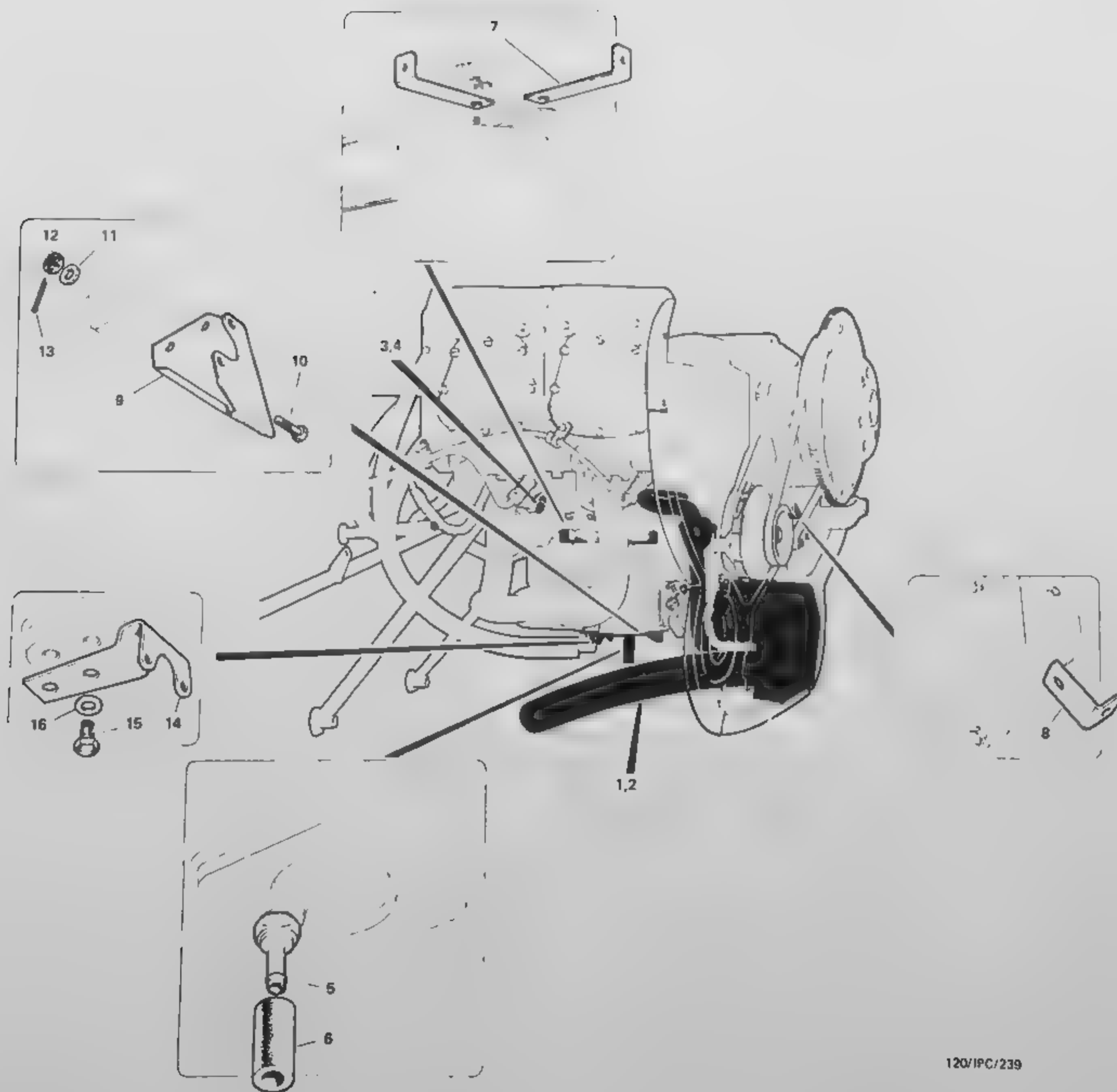


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Fig.5 Air intake

Power Plant
Air Intake

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
	5-	BH-51-127	Installation of Air Intake		RF
R	-1	BH-51-421	. Filter assy., air intake (Pre-Mod. 217)		1
R		BH-51-867	. Filter assy., air intake (Mod. 217)		1
R	-2	BH-51-133	. . Element, filter (Pre-Mod. 217)		1
R		BH-51-869	. . Element, filter (Mod. 217)		1
R	-3	7964051	. . Gasket (AC/DELCO)) Alternatives (Pre-Mod. 217)		2
R		BH-51-259	. . Gasket (AC/DELCO))		2
	-4	BH-51-423	. . Plate assy, back		1
	-5	BH-51-131	. . Cover, assy.		1
	-6	BH-51-433	. . Tube, flanged		2
	-7	SP107-J	. Washer, tab		2
	-8	A103-JT	. . Nut		2
	-9	BH-51-393	. Washer, fibre		2
	-10	A127-E	. Nut, stiff		2
	-11	A116-1/2C	. Bolt, 8-32 UNC		5
	-12	SP126-F	. Washer		2
	-13	BH-51-129	. Valve assy., air intake (supplied with ECU) (Pre. Brit. Mod. 215)		1
		BH-51-815	. Valve assy., air intake (supplied with ECU) (Brit. Mod. 215)		1
	-14	BH-51-291	. . Body, valve (Pre. Brit. Mod. 215)		1
		BH-51-827	. . Body, valve (Brit. Mod. 215)		1
	-15	BH-51-135	. . Spindle		1
	-16	BH-51-441	. . Plate, valve		1
	-17	AH-301D	. Spring		1
	-18	SP127-E	. . Washer		1
	-19	A218-B12	. . Screw, 6-32 UNC		3
	-20	SP124-B	. . Washer		3
	-21	BH-51-555	. . Guide, spring		1
	-22	BH-51-583	. . Spring		1
	-23	A116-1/2C	. Bolt, 8-32 UNC		5
	-24	BH-51-557	. Bellows		1
	-25	SP91-P	. Clip, hose		2
	-26	BH-51-019	. Connector		1
	-27	BH-51-025	. Gasket		1
	-28	BH-82-1201	. Bracket, suppressor mounting (Brit. Mod. 188)		1
	-29	MS20074-04-04	. Bolt, 1/4 in. UNC (Brit. Mod. 188)		4
	-30	SP126-E	. Washer		4
	-31	A102-3D	. Bolt, 10-32 UNF (Brit. Mod. 188)		2
	-32	BH-82-1203	. Clip		2
	-33	AS2809/4/025	. Tube, distance (Brit. Mod. 188)		2
	-34	SP125-D	. Washer (Brit. Mod. 188)		2
	-35	SP127-D	. Washer (Brit. Mod. 188)		2
	-36	H10-3	. Nut		2
	-37	SS307-40	. Clip		1
	-38	A102-3D	. Bolt, 10-32 UNF (Brit. Mod. 188)		1
	-39	AS2307-025	. Tube, distance (Brit. Mod. 188)		1
	-40	SP126-D	. Washer		1
	-41	H10-3	. Nut		1
	-42	BH-51-563	. Gasket		1
	-43	BH-51-479	. Bolt, clinch (Make from 28DU/9419966)		1
	-44	SP122-D	. Washer		3
	-45	A105-DT	. Nut		1
	-46	H10-3	. Nut (Kaylock)		1
	-47	BH-51-435	. Gasket		1
	-48	BH-47-031	. Cable, induction heat (Chap. 40-2 Fig. 1)		RF
R	-49	BH-82-1199	Installation of suppressors, radio and electrics (Mod. 39) (Chap. 60-1 Fig. 1)		RF



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Fig.6 Engine attachments

Engine Attachments

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
6-1	BH-51-679		Hose, warm air, heat exchanger to engine (Brit. Mod. 181).		1
-2	SP91-K		Clip, hose.....		2
-3	AN5546-1		Bulb, cylinder head temperature.....		1
			Alternative		
	MS23034-1		Bulb, cylinder head temperature.....		1
-4	AN4076-1		Adaptor, cylinder head temperature bulb.....		1
-5	75444		Valve, fuel drain, manifold.....		1
-6	BH-51-633		Hose, manifold drain.....		1
-7	BH-81-407		Angle.....		1
-8	BH-81-409		Angle.....		1
-9	BH-47-241		Bracket, mixture control.....		1
-10	A102-5D		Bolt.....		2
-11	SP126-D		Washer.....		2
-12	A103-DS		Nut, slotted.....		2
-13	SP90-C4		Pin, split.....		2
-14	BH-47-063		Bracket, throttle control (Pre-Mod. EC257).....		1
R	BH-47-471		Bracket, throttle control (Mod. EC257).....		1
-15	MS20074-04-03		Bolt.....		2
-16	SP126-E		Washer.....		2

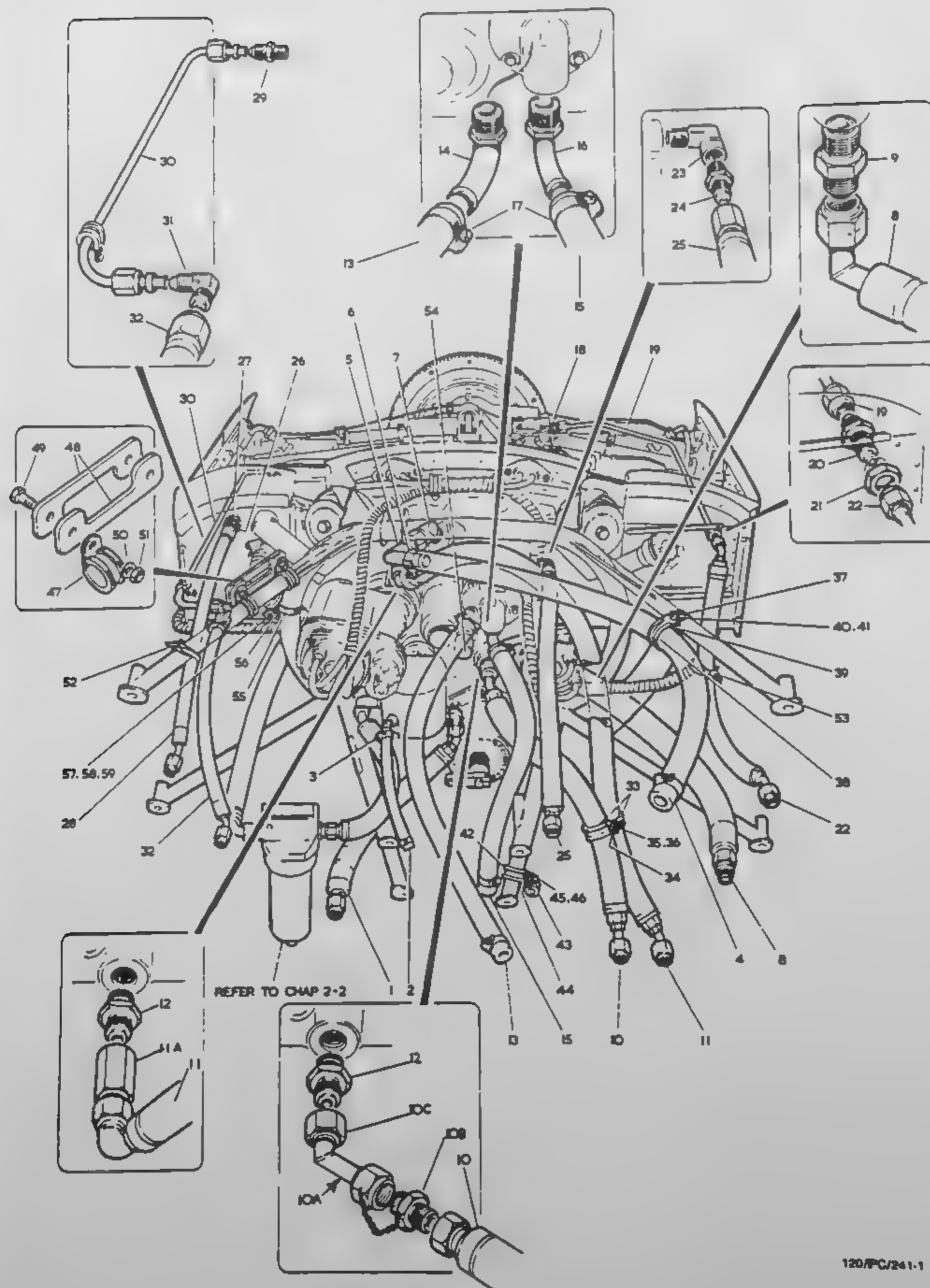


Fig. 7 Hoses and clippings

Hoses and Clipping

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
7-1	BH-57-467	Hose, fuel inlet.....		1
-2	BH-51-099	Hose, fuel pump vent.....		1
-3	BAS-243-NI	Clip, hose (Brit. Mod 225).....		2
R -4	BH-51-525	Hose, crankcase breather to separator (Pre-Mod EC 231) (Pre-Mod EC 268).....		1
R	BH-51-875	Hose, crankcase breather to separator (Mod EC 231)..... (Pre-Mod EC 268).....		1 1
R -5	BH-51-507	Pipe, crankcase breather (Pre-Mod EC 231)(Pre-Mod EC 268)		1
R	BH-51-881	Pipe, crankcase breather (Mod EC 231)(Pre-Mod EC 268)....		1
R -6	SP91/F	Clip, hose (Pre-Mod EC 268).....		1
-7	AN823-10	Elbow, breather connection.....		1
R -8	BH-51-617	Hose, oil return, separator to sump (Pre-Mod EC 268).....		1
R -9	AN816-10	Adaptor, sump (Pre-Mod EC 268).....		1
-10	BH-51-615	Hose, engine to oil cooler (Pre-Mod EC 231).....		1
	BH-51-873	Hose, engine to oil cooler (Mod EC 231).....		1
-10A	BH-51-879	Pipe Assy (Mod EC 231).....		1
-10B	BH-51-893	. Union Flared Tube (Mod.EC 231).....		1
-10C	BH-51-891	. Pipe Assy Welded (Mod.EC 231).....		1
-11	BH-51-613	Hose, oil cooler to engine (Pre-Mod EC 231).....		1
	BH-51-871	Hose, oil cooler to engine (Mod EC 231).....		1
-11A	BH-51-877	Adaptor (Mod EC 231).....		1
-12	BH-51-125	Union, 9/16in UNF.....		2
-13	BH-70-105	Hose, vacuum pump to firewall (Brit.Mod.190).....		1
-14	1K1-6-10	Adaptor, vacuum pump outlet.....		1
-15	BH-70-005	Hose, vacuum pump drain.....		1
-16	1K1-6-8	Adaptor, vacuum pump drain.....		1
-17	SP91/C	Clip, hose.....		2
-18	BE-80-10017	Restrictor, adaptor, flow divider.....		1
-19	BH-80-831	Pipe, fuel pressure (Brit.Mod.190).....		1
-20	AN832-4	Adaptor, fuel pressure.....		1
-21	AN924-4	Locknut, fuel pressure adaptor.....		1
-22	BH-80-829	Hose, fuel pressure (Brit.Mod.190).....		1
-23	AN914-1J	Adaptor, oil pressure)		
	AN914-1K	Adaptor, oil pressure) Alternatives		1
	AN914-1S	Adaptor, oil pressure)		
-24	BE-80-10017	Restrictor, oil pressure.....		1
-25	BH-80-557	Hose, oil pressure (Pre-Mod EC 231).....		1
	BH-80-1351	Hose, oil pressure (Mod EC 231).....		1
-26	AN815-5D	Adaptor, vent sensing.....		1
-27	AN924-5D	Locknut, vent sensing adaptor.....		1
-28	BH-80-825	Hose, air sensing vent (Brit.Mod.120).....		1
-29	BE-80-10017	Restrictor, adaptor, manifold pressure pipe.....		1
-30	BH-80-821	Pipe, manifold pressure (Brit.Mod.190).....		1
-31	AN821-4	Adaptor, union, manifold pressure pipe.....		1
-32	BH-80-819	Hose, manifold pressure (Brit.Mod.190).....		1
-33	MS21919-DF16	. Clip)		1
-34	A102/1D	. Bolt) Oil cooler hoses		1
-35	SP126/D	. Washer) together		1
-36	H10-3	. Stiffnut)		1
R -37	SS307-10B	. Clip (Pre-Mod EC 268))		1
R -38	SS307-16B	. Clip (Pre-Mod EC 268))		1
R -39	A102/½B	. Bolt (Pre-Mod EC 268)) Breather hose to		1
R -40	SP126/B	. Washer) mounting frame		1
		(Pre-Mod EC 268))		
R -41	H10-06	. Stiffnut (Pre-Mod EC 268))		1
-42	MS21919-DF16	. Clip)		1

Hoses and Clipping

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
7-43	SS-307-4C	.	Clip	)	1
-44	A102/½D	.	Bolt	) Air control cable	1
-45	SP126/D	.	Washer	) to engine mount	1
-46	H10-3	.	Stiffnut	)	1
-47	MS21919-DF12	.	Clip	)	2
-48	BH-47-231	.	Fairlead	)	2
-49	A102/3D	.	Bolt	) C.S.U. control cable to	2
-50	SP126/D	.	Washer	) engine mount (Brit. Mod.208)	2
-51	H10-3	.	Stiffnut	)	2
-52	TY-27-M		Ty-rap.....		A/R
-53	TY-23-M		Ty-rap.....		A/R
-54	MS-28034-1		Bulb, resistance, oil temperature	)	1
-54A	AN5525-1		Bulb, resistance, oil temperature	) Alternatives	1
-55	SP144/028		Clamp, worm drive	)	1
-56	AS3180120C		Clip 'P'	)	1
-57	A102/1D		Bolt	) Fuel pump cooling duct	1
-58	A125/D66		Nut	) to engine mount (Brit. Mod 240)	1
-59	SP122/D		Washer	)	1

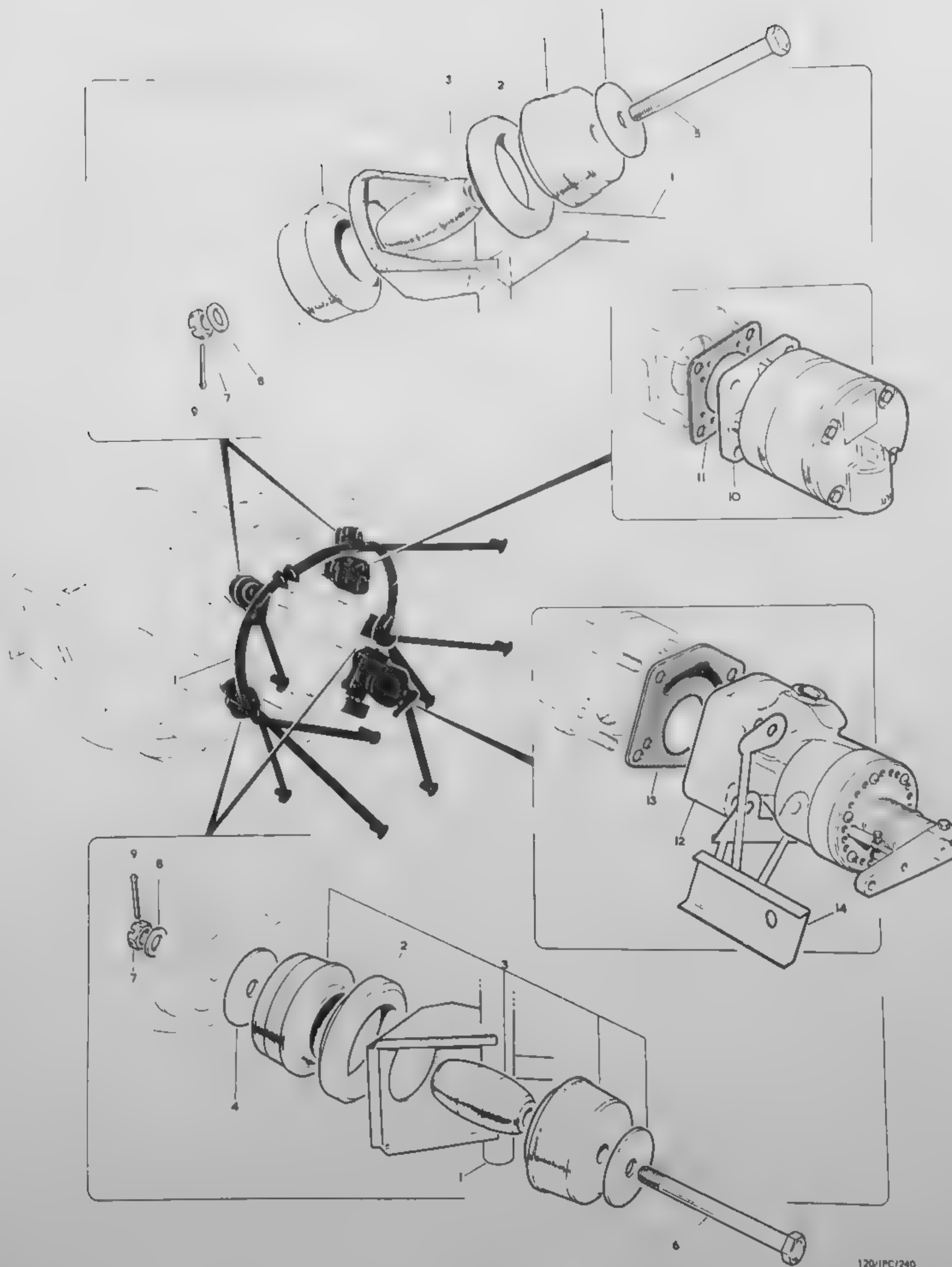


Fig. 8 Engine mount, C.S.U. and vacuum pump

Engine Mount S.S.U. and
Vacuum Pump

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
8-1	BH-51-629	Mount, engine.....		1
-2	BE-51-30005	Spacer, engine mount.....		4
-3	J9613-40	Kit, engine mounting.....		4
-4	J2218-61	Washer.....		2
-5	A102-37L	Bolt, 7/16 in. UNF) Alternatives		2
-5A	AN7-42	Bolt, 7/16 in. UNF)		2
-6	A102-38L	Bolt, 7/16 in. UNF) Alternatives		2
-6A	AN7-43	Bolt, 7/16 in. UNF)		2
-7	A103-LS	Nut, 7/16 in. UNF.....		4
-8	SP122-L	Washer.....		4
-9	SP90/E7	Pin, split		4
-10	200CC	Pump, vacuum (Pre. Brit. Mod. 189) (Airborne Mechanisms)		1
-10A	211CC	Pump, vacuum (Brit. Mod. 189).....		1
-11	B3-1-2	Gasket.....		1
-12	210472	Unit, constant speed (Woodward Governor Co.).....		1
-13	MS100009	Gasket.....		1
R -14	BH-47-451	Bracket, C.S.U., control (Mod. 181) (Chap. 47-1, Fig. 2).....		RF

Chapter 40

POWER PLANT

Section 2

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Control cables to engine	5/6

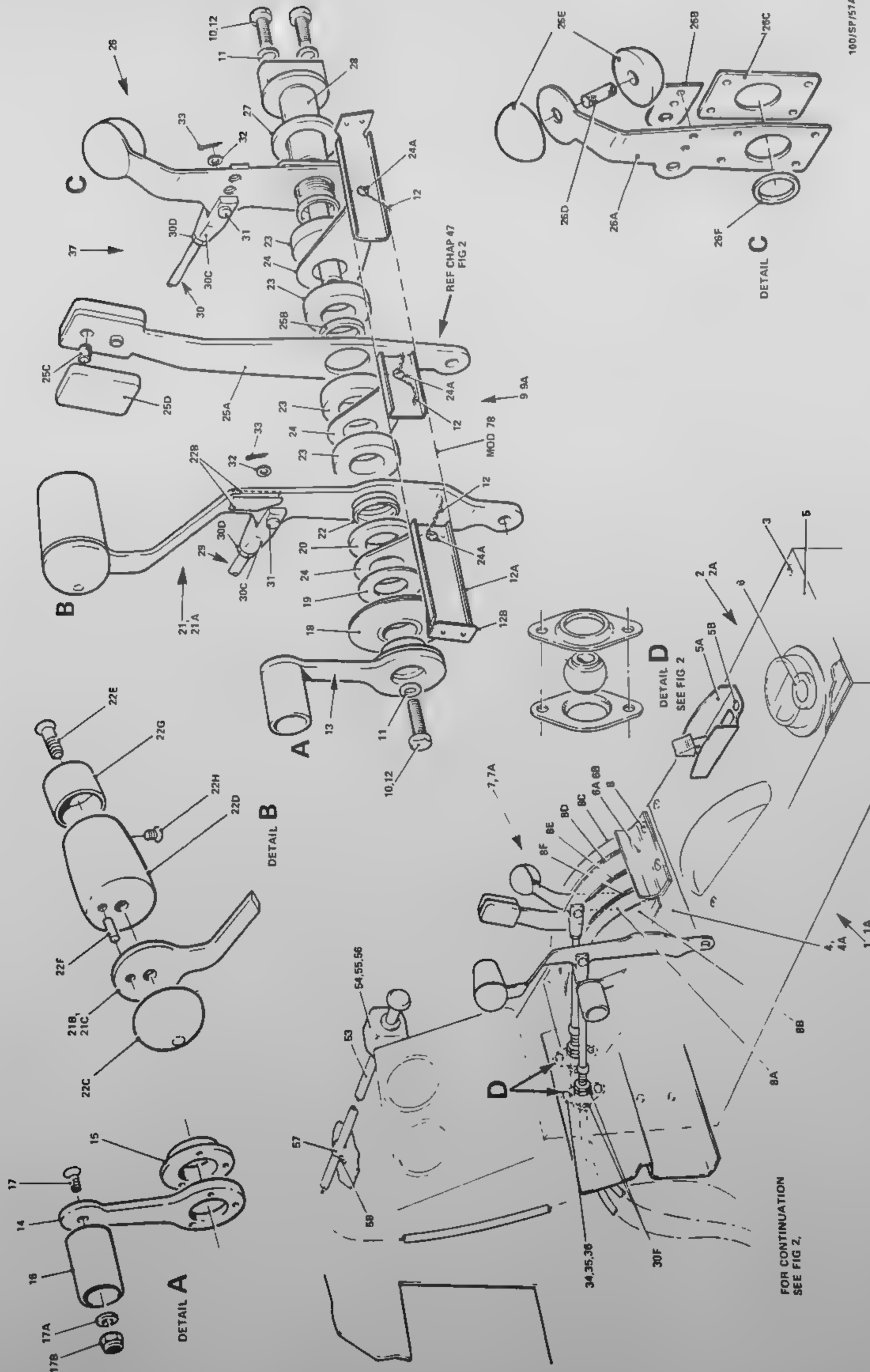


Fig. 1 Engine control levers on console

Power Plant
Engine Control Levers on Console

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
1 2 3 4 5 6				
1-1	BH-10-991	Console control box, sub-assy. (Chap. 15-3. Fig. 1) (Pre-Mod. 137)		RF
-1A	BH-10-3723	Console control box, sub-assy. (Chap. 15-3. Fig. 1) (Mod. 137)		RF
-2	BH-10-2535	. Panel assy, console top (Pre-Mod. 137).....		1
-2A	BH-10-3691	. Panel assy, console top (Mod. 137).....		1
		Attaching parts		
-3	A113-1/2C	Screw, 8-32 UNC.....		6
-4	BH-10-2537	. . Panel assy, forward (Pre-Mod. 137).....		1
-4A	BH-10-3695	. . Panel assy, forward (Mod. 137).....		1
-4B†	BH-47-325	. . . Packer, starboard (Mod. 137).....		1
-4C†	BH-47-326	. . . Packer, port (Mod. 137).....		1
-4D†	BH-10-2545	. . . Panel detail (Pre-Mod. 137).....		1
-4E†	BH-10-3693	. . . Panel detail (Mod. 137).....		1
-4F†	MF1000-08	. . . Nut, anchor.....		1
-5	BH-10-2539 issue 2	. . Panel assy, aft (Pre-Mod. 80).....		1
	BH-10-2539 issue 3	. . Panel assy, aft (Mod. 80).....		1
R -5A	BH-10-4017	. . . Guard, switch (Mod. 262).....		1
		Attaching parts		
R -5B	4103	Screw, self tapping No 4 X 3/8 in.....		2
-6	BH-47-065	. . . Bush, nylon (Rudder trim control).....		1
-6A	BH-47-239	. Plate, buffer (Mod. 56) (Pre-Mod. 137).....		1
-7	BH-47-101	Gate assy, control levers (Pre-Mod. 137).....		1
-7A	BH-47-335	Gate assy, control levers (Mod. 137).....		1
		Attaching parts		
-8	A113-1/2C	Screw, 8-32 UNC x 1/2 in. long.....		4
-8A	BH-47-135	. Plate, finger)		1
-8B	BH-47-137	. Plate (L.H.) side) Welded items		1
-8C	BH-47-139	. Plate (R.H.) side)		1
-8D	BH-47-335A	. Strip, rubbing 4.5 in. long x 40 in. wide x 3/32 in. thick Nylon 66 (White).....		1
-8E	BH-47-335B	. Strip, rubbing 4.5 in. long x 50 in. wide x 3/32 in. thick Nylon 66 (White).....		1
-8F	BH-47-335C	. Strip, rubbing 4.5 in. long x 59 in. wide x 3/32 in. thick Nylon 66 (White).....		1
-9	BH-47-285	Assy of engine control lever (Pre-Mod. 100).....		RF
	BH-47-313	Assy of engine control levers (Mod. 100) (Pre-Mod. 137)....		RF
-9A	BH-47-443	Assy of engine control levers (Mod. 137).....		RF
		Attaching parts		
-10	BDS39-A102-1/2D	Bolt, 10-32 UNF (Make from 28DU/9419966).....		3
-10A†	BDS39-A102-1D	Bolt (Mod. 137) (Make from 28DU/9419565).....		4
-11	SP124-D	Washer.....		3
-12	-	Wire, locking (DTD159-22SWG) (30A/9437135)..		A/R
-12A	BH-47-281	. Plate, support locking (Mod. 78) (Pre-Mod. 137).....		1
-12B	BH-47-283	. Cleat (port side only) (Pre-Mod. 137).....		1
-12C†	BH-47-323	. Stop block (Mod. 137).....		1
-13	BH-47-235	. Lever assy, lock.....		1
-14	BH-47-115	. . Lever.....		1
-15	BH-47-055	. . Bush.....		1
-16	BH-47-077	. . Knob.....		1
-17	A173-2D	. . Screw.....		1
-17A	SP124-D	. . Washer.....		1
-17B	H-10-3	. . Nut (Kaylock).....		1
-18	495-013	. Washer (Bellville).....		2
-19	SP11-Q	. Washer.....		A/R
-20	BH-47-009	. . Bush.....		2
-21	BH-47-305	. Lever assy, throttle (Mod. 100) (Pre-Mod. 137).....		1
-21A	BH-47-441	. Throttle lever assy (Mod. 137).....		1
-21B	BH-47-129	. . Lever (Pre-Mod. 137).....		1
-21C	BH-47-339	. . Lever (Mod. 137).....		1

† Item not illustrated

Power Plant
Engine Control Levers on Console

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
1-22	BH-47-019	. . Bearing lever		1
-22B	BH-47-155	. . Plate, side.....		2
-22C	BH-47-123	. . Knob.....		1
-22D	BH-47-125	. . Housing, switch.....		1
-22E	A173-1C	. . Screw.....		1
-22F	-	. . Pin, 3/32 in. dia x 5/16 in. long (Selok).....		1
-22G	BH-47-127	. . Insert (Pre-Mod. 137).....		1
-22H	S980-4	. . Screw, 1/4 in. long (GKN) (Pre-Mod. 137).....		1
-23	BH-47-069	. Bush.....		4
-24	BH-47-263	. Plate assy (Mod. 78).....		3
		Attaching parts		
-24A	MS25277-43	Screw (Mod. 78).....		3
	3A116-1/2C	Screw (Mod. 137).....		3
-25	BH-47-113	. Lever assy, propeller pitch control (Chap. 47-1 Fig. 2).....		1
-25A	BH-47-119	. . Lever.....		1
-25B	BH-47-019	. . Bearing.....		1
-25C		. . Pin, knurled.....		2
-25D	BH-47-117	. . Knob.....		2
-26	BH-47-103	. Lever assy, mixture.....		1
-26A	BH-47-105	. . Lever.....		1
-26B	BH-47-107	. . Plate, backing.....		1
-26C	BH-47-109	. . Spacer.....		1
-26D	BH-47-097	. . Pin, knurled.....		1
-26E	BH-47-111	. . Knob.....		2
-26F	BH-47-019	. . Bearing.....		1
-27	BH-47-009	. Bush.....		1
-28	BH-47-287	. Shaft (Mod. 78).....		1
-29	BH-47-229	. Cable assy, throttle control (Mod. 18) (Fig. 2).....		1
-30	BH-47-221	. Cable assy, mixture control (Pre-Mod. 61) (Fig. 2).....		1
	BH-47-293	. Cable assy, mixture control (Mod. 61) (Fig. 2).....		1
-30C	B92294	. . End fork, lever end (Pre-Mod. 61 and Mod. 61) (Teleflex)		1
		Alternative		
	8100001	. . End, fork, lever end (Teleflex).....		1
-30D	F68PZ	. . Nut, locking (Teleflex).....		2
-31	SP4Y-B5	. Pin, steel.....		2
-32	SP127-D	. Washer.....		2
-33	SP90-C4	. Pin, split.....		2
-34	A102-1D	. Bolt, 10-32 UNF.....		4
-35	SP126-D	. Washer.....		4
-36	A126-D	. Nut.....		4
		Indices 37 to 52 not used		
-53	BH-47-031	. Cable, induction heat.....		1
-54	BH-49-020	. Bracket, cable.....		1
-55	A102-1/2D	. Bolt, 10-32 UNF.....		3
-56	SP126-D	. Washer.....		3
-57	AS3180-3B	. Clip 'P'.....		1
-58	A102-1/2B	. Bolt, 6-32 UNC.....		1

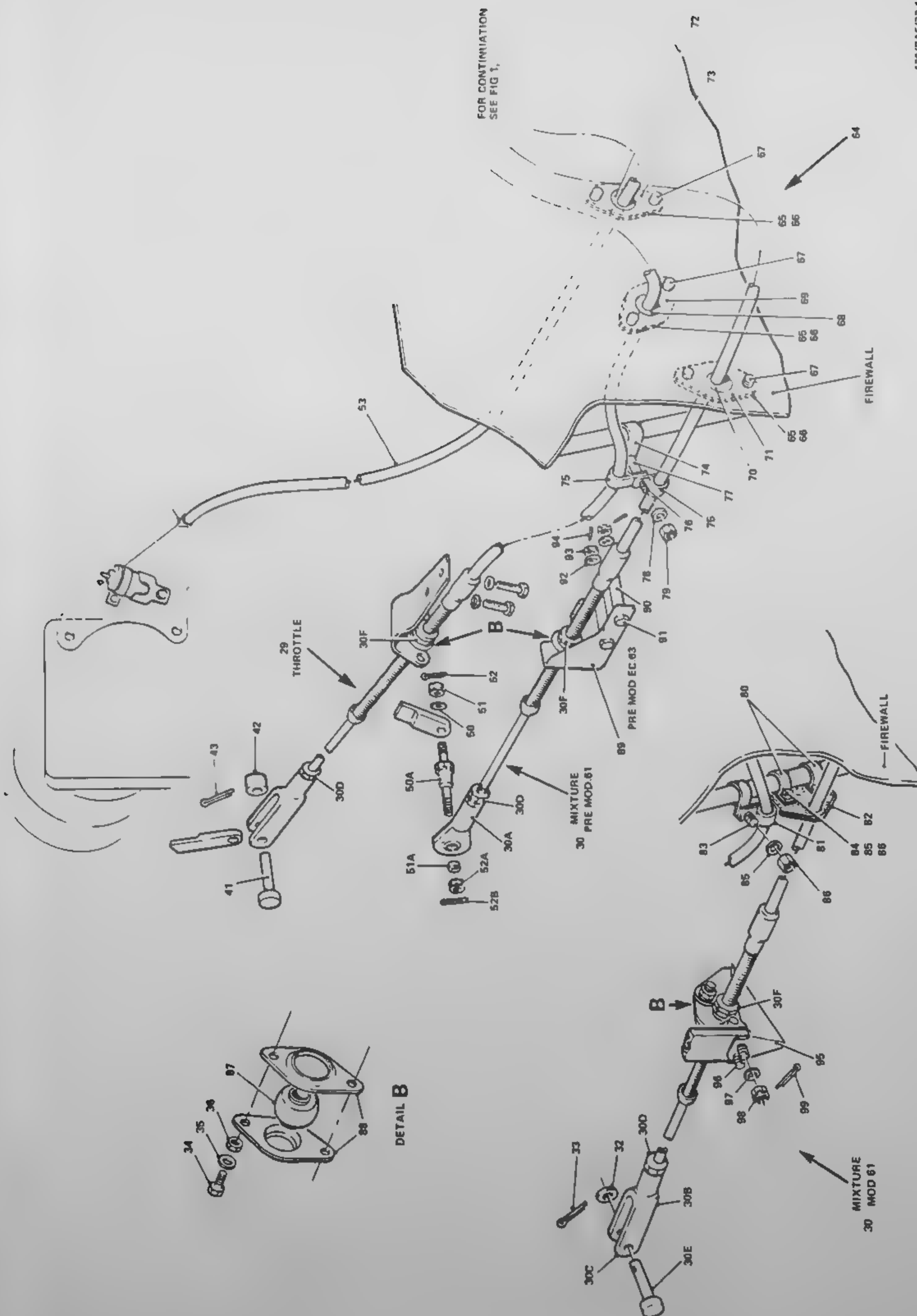


Fig. 2 Control Cables to Engine

Power Plant
Control Cables to Engine

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-47-001		Installation of engine controls.....		RF
			Indices 1 to 28 not used		
-29	BH-47-229		. Cable assy, throttle control (Mod. 18).....		1
-30	BH-47-221		. Cable assy, mixture control (Pre-Mod. 61).....		1
	BH-47-293		. Cable assy, mixture control (Mod. 61).....		1
-30A	AGS3054		. Rod end, spherical, engine end (Pre-Mod. 61).....		1
-30B	MS35812-1		. End fork, engine end (Mod. 61).....		1
-30D	F68PZ		. Nut, locking (Teleflex).....		2
-30E	SP4Y-B6		. Pin, clevis. (Mod. 61).....		1
-30F	A91917		. Nut (Teleflex).....		4
-32	SP127-D		. Washer (Mod. 61).....		1
-33	SP90-C4		. Pin, split (Mod. 61).....		1
-34	A102-1D		. Bolt, 10-32 UNF.....		4
-35	SP126-D		. Washer.....		4
-36	A126-D		. Nut.....		4
			Indices 37 to 40 not used		
-41	SP4YB7		. Pin, clevis.....		1
-42	SP121-C		. Collar.....		1
-43	SP90-C4		. Pin, split.....		1
			Indices 44 to 49 not used		
-50	SP126-D		. Washer (Pre-Mod. 61).....		1
-50A	BH-47-225		. Piece, extension (Pre-Mod.61).....		1
-51	A103-DS		. Nut (Pre-Mod. 61).....		1
-51A	AS2807-4-010		. Spacer (Make from 30A/9610379) (Pre-Mod. 61).....		1
-52	SP90-C4		. Pin, split (Pre-Mod. 61).....		1
-52A	P16014		. Nut, slotted (Pre-Mod.61).....		1
-52B	SP90-B3		. Pin, split (Pre-Mod. 61).....		1
-53	BH-47-031		. Cable, induction heat.....		1
			Indices 54 to 63 not used		
-64	BH-10-881		Firewall assy, (Chap. 15-1. Fig. 2).....		RF
-65	22103-02		. Fitting, press. (Piper Aircraft Corp.).....		3
			Alternative		
-66	BH-10-779		. Fitting, press.....		3
-67	MS27039-0805		. Screw, pan head.....		6
-68	BH-10-773		. Grommet, throttle cable.....		1
-69	BH-10-893		. Gasket, throttle cable.....		1
-70	BH-10-777		. Grommet, mixture, propeller governor cable.....		1
-71	BH-10-897		. Gasket, mixture, propeller governor cable.....		1
-72	BH-10-771		. Grommet, induction heat cable.....		1
-73	BH-10-891		. Gasket, induction heat cable.....		1
-74	MS21919DF16		. Clip (Pre-Mod. 61).....		1
-75	AS5418-4		. Clip (Pre-Mod. 61).....		2
-76	A102-8D		. Bolt, 10-32 UNF (Pre-Mod. 61).....		1
-77	AS2810/5/070		. Tube, distance (Pre-Mod. 61).....		1
-78	SP126-D		. Washer (Pre-Mod. 61).....		1
-79	H10-3		. Nut (Kaylock) (Pre-Mod. 61).....		1
-80	MS21919DF16		. Clip, (Mod. 61).....		3
-81	AS5418-4		. Clip, (Mod. 61).....		1
-82	BH-47-295		. Fairlead (half), (Mod. 61).....		2
-83	A102-1D		. Bolt, 10-32 UNF, (Mod. 61).....		1
-84	A102-2D		. Bolt, 10-32 UNF, (Mod. 61).....		2
-85	SP126-D		. Washer, (Mod. 61).....		3
-86	H10-3		. Nut, (Kaylock), (Mod. 61).....		3
-87	A91913		Ball, swivel (Teleflex).....		1
-88	A91914		Housing, half (Teleflex).....		2
-89	BH-47-061		. Bracket, mixture control (Pre-Mod. EC63).....		1
			Attaching parts		
-90	AS2810/5/160		Tube, distance.....		2
-91	A102-21D		Bolt.....		2
-92	SP126-D		Washer.....		2

Power Plant
Control Cables to Engine

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
-93	A103-DS		Nut, slotted.....		2
-94	SP90-C4		Pin, split.....		2
-95	BH-47-241		. Bracket, mixture control (Mod. EC63).....		1
			Attaching parts		
-96	A102-5D		Bolt.....		2
-97	SP126-D		Washer.....		2
-98	A103-DS		Nut, slotted.....		2
-99	SP90-C4		Pin, split.....		2

Chapter 41
FUEL SYSTEM

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Fuel system, tank to firewall	41 - 1
Fuel system in engine bay	41 - 1
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Chapter 41

FUEL SYSTEM

Section 1

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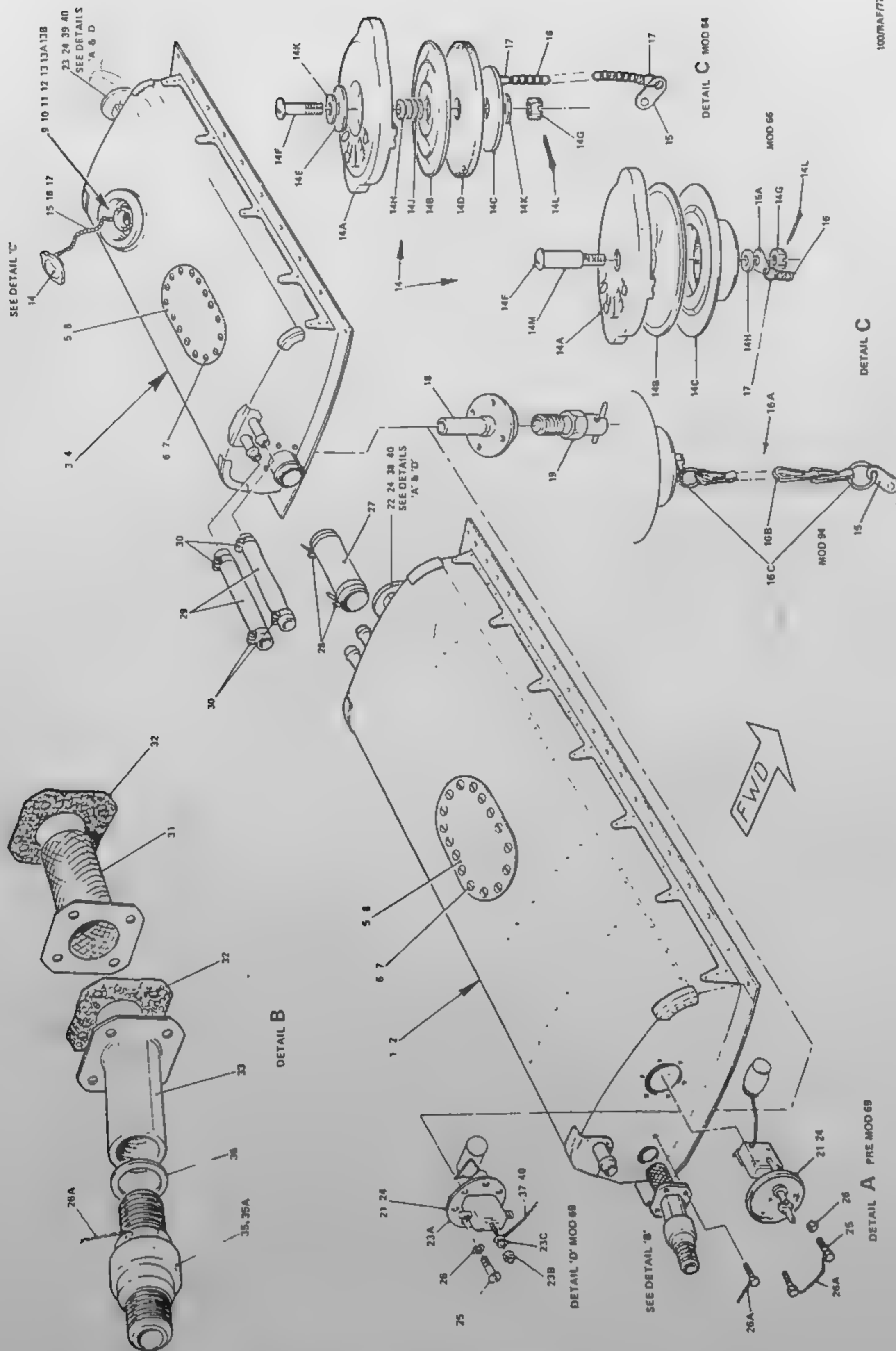


Fig.1 Fuel Tank Installation

Fuel System
Fuel Tank Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-1	BH-57-165P		Tank assy., fuel inboard, port (Pre-Mod 69).....		1
	BH-57-741P		Tank assy., fuel inboard, port (Mod 69).....		1
-2	BH-57-166P		Tank assy., fuel inboard, stbd (Pre-Mod 69).....		1
	BH-57-742P		Tank assy., fuel inboard, stbd (Mod 69).....		1
-3	BH-57-189P		Tank assy., fuel outboard, port (Pre-Mod 69).....		1
	BH-57-739P		Tank assy., fuel outboard, port (Mod 69)(Pre-Mod 132)..		1
	BH-57-771P.iss1		Tank assy., fuel outboard, port (Mod 132)(Pre-Mod 94)..		1
R	BH-57-771P.iss4		Tank assy., fuel outboard, port (Mod 94)(Pre-Mod 187)..		1
R	BH-57-771P.iss6		Tank assy., fuel outboard, port (Mod 187).....		1
-4	BH-57-190P		Tank assy., fuel outboard, stbd (Pre-Mod 69).....		1
	BH-57-740P		Tank assy., fuel outboard, stbd (Mod 69) (Pre-Mod 132).		1
	BH-57-772P.iss1		Tank assy., fuel outboard, stbd. (Mod 132) (Pre-Mod 94)		1
R	BH-57-772P.iss4		Tank assy., fuel outboard, stbd.(Mod 94)(Pre-Mod 187)..		1
R	BH-57-772P.iss6		Tank assy., fuel outboard, stbd (Mod 187).....		1
Attaching parts					
Refer to Chap.16-1, Fig.1					
-5	BH-57-347		. Panel, access.....		1
-6	A113-1/2C		. Screw, 8-32 UNC.....		16
# -7	F1968-08		. Nut anchor, floating (Kaylock).....		16
# -8	PR1431-T		. Adhesive sealant (Ref.No.33H/2245049).....		A/R
-9	BE-57-20147		. Filler assy., (Pre-Mod 94).....		1
R	BH-57-805		. Filler assy., (Mod 94) (Pre-Mod 187).....		1
R	BE-57-20145		. Filler assy., (Mod 187).....		1
# -10	A113-1/2D		. . Screw, 10-32 UNF.....		6
# -11	SP126-D		. . Washer.....		6
# -12	F1968-3		. . Nut, anchor (Kaylock).....		1
-13	BE-57-20145		. . Neck assy., filler (Mod 94).....		1
-13A	BH-57-781		. . Neck assy., filler (Pre-Mod 94).....		1
-13B	BH-57-765		. . Plate, strangler (Mod 132).....		1
R	-13C	PR1422-BT2	. . Sealant.....		A/R
-14	BH-57-563		. . Cap assy., filler (Mod.64) (Pre-Mod 66).....		1
R	BH-57-593		. . Cap assy., filler (Mods 66 and 94)(Pre-Mod 187)....		1
R	BH-57-851		. . Cap assy., filler (Mod 187).....		1
-14A	BH-57-577		. . . Cap, top (Mod 64).....		1
R	BH-57-595		. . . Cap, top (Mod 66 and 94) (Pre-Mod 187).....		1
R	BH-57-887		. . . Cap, top (Mod 187).....		1
-14B	BH-57-579		. . . Plate,spring (Mod 64).....		1
R	BH-57-597		. . . Plate,spring (Mod 66 and 94)(Pre-Mod 187).....		1
R	BH-57-891		. . . Plate,spring (Mod 187).....		1
-14C	BH-57-581		. . . Plate,lock (Mod 64).....		1
R	BH-57-769		. . . Plate assy.,sealing(Mod 66 and 94)(Pre-Mod 187)..		1
R	BH-57-889		. . . Plate assy., sealing (Mod 187).....		1
-14D	BH-57-585		. . . Gasket (use DTD 560 Grade 'C' Quality 'P').....		1
-14E	BH-57-587		. . . Gasket (use DTD 560 Grade 'C' Quality 'P').....		1
			(Mod 64)		
-14F	A113-1D		. . .Bolt (Mod 64).....		1

Flying System
Fuel Tank Installation

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
R	1-14F	A113-7D	. . .	Bolt (Mod 66 and 94) (Pre-Mod 187).....					1
R		MS3520217	. . .	Bolt (Mod 187).....					1
R	-14G	A103-DS	. . .	Nut, slotted (Mod 64, 66 and 94) (Pre-Mod 187).....					1
R		H10-04	. . .	Nut (Mod 187).....					1
		AN310-3	. . .	Nut, slotted (Mod 64).....					1
	-14H	SP122-D	. . .	Washer (Mod 64).....					2
R		SP122-D	. . .	Washer (Mod 66 and 94) (Pre-Mod 187).....					1
	-14J	SP126-D	. . .	Washer (Mod 64).....					2
	-14K	SP58-E	. . .	Burr (Mod 64).....					2
R	-14L	SP90-C8	. . .	Pin, split (Mod. 64, 66 and 94) (Pre-Mod 187).....					1
R	-14M	AS2808-5-060	. . .	Tube, distance (Mod. 66 and 94) (Pre-Mod 187).....					1
R	-15	AS4561/1	. . .	Tag (Mod 64, 66 and 94) (Pre-Mod 187).....					1
R	-15A	AS4561/2	. . .	Tag (Mods 66, 94, and 187).....					1
	-16	BE-57-20159	. . .	Chain (Mod. 64, 66 and 94) (Pre-Mod 94).....					1
R	-16A	BH-57-773	. . .	Chain assy (Mod 94) (Pre-Mod 187).....					1
R		BH-57-885	. . .	Chain assy (Mod 187).....					1
R	-16B	BH-57-779	. . .	Chain (Mod 94) (Pre-Mod 187).....					1
R		BH-57-883	. . .	Chain (Mod 187).....					1
	-16C	Terry 169-1/2	. . .	Ring, split (Mod 94).....					2
	-17	BE-57-20157	. . .	Ring, split (Mod. 64, 66) (Pre-Mod 94).....					2
	-18	BE-57-10045	. . .	Boss, Drain valve.....					1
	-19	CCA-1550	. . .	Valve drain (Curtiss).....					1
	-21	TM1412-003	Fuel contents, tank unit, inner, inboard tank.....						1
			port & stbd (Pre-mod 69) (Smiths)						
		BH-81-839	Fuel contents, tank unit, inner, inboard tank.....						1
			port & stbd. (Mod 69) (Pre-Mod 232) (Smiths)						
		2276FG11	Fuel contents, tank unit, inner, inboard tank.....						1
			port & stbd. (Mod 232) (Smiths)						
	-22	TM1412-004	Fuel contents, tank unit, outer, inboard tank.....						1
			port & stbd (Pre-Mod 69) (Smiths)						
		BH-81-841	Fuel contents, tank unit, outer inboard tank.....						1
			port & stbd (Mod 69) (Pre-Mod 232) (Smiths)						
		2276FG21	Fuel contents, tank unit, outer, inboard tank.....						1
			port & stbd. (Mod 232) (Smiths)						
	-23	TM1412-005	Fuel contents, tank unit, outboard tank port & stbd....						1
			(Pre-mod 69) (Smiths)						
		BH-81-843	Fuel contents, tank unit, outboard tank, port.....						1
			(Mod 69) (Pre-mod 232) (Smiths)						
		2276FG31	Fuel contents, tank unit outboard tank.....						1
			port (Mod 232) (Smiths)						
		BH-81-883	Fuel contents, tank unit, outboard tank, stbd.....						1
			(Mod 69) (Pre-mod 232) (Smiths)						
		2276FG41	Fuel contents, tank unit, outboard tank, stbd.....						
			(Mod 232) (Smiths)						
	-23A	F15693/03	. . .	Unit, transmitter, tank (Mod 69) (Smiths).....					1
	-23B	A126-B	. . .	Nut, stiff.....					1

Fuel System
Fuel Tank Installation

Fig & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per assy.
1-23C	SP122-B	.	Washer							1
								Attaching parts		
-24	31-754-704							Gasket (Pre and Post Mod. 69 transmitters)		1
								(Smiths)		
-25	BDS39/A102-2D							Bolt, 10-32 UNF (Pre-Mod. 69)		6
	A116-2D							Bolt, (Mod. 69)		6
-26	SP124-D							Washer (Pre-Mod. 69)		6
	SP47-C							Washer, spring (Mod. 69)		6
- 26A	-							Wire, locking (Ref. 30A/9437135) (Pre-Mod. 69)		A/R
	BH-57-001							Installation of fuel system		RF
-27	BH-57-149	.	Hose, fuel, intertank							1
-28	SP9-L	.	Clip							2
-29	BH-57-111	.	Hose, intertank (vent and balance)							2
-30	SP91-B	.	Clip, hose							1
								Alternative		
	1234-486-075	.	Clip, hose (Terry)							1
-31	BE-57-10025	.	Filter assy							1
-32	BE-57-10027	.	Gasket							2
-33	BE-57-10105	.	Boss, mounting, non-return valve (Pre-Mod. 87)							1
	BH-57-721	.	Boss, mounting, non-return valve (Mod. 87)							1
-34	BDS39-A102-2D	.	Bolt, 10-32 UNF							4
-35	NS1003	.	Vane, non-return (Flight Refueling) Mod. 116)							1
			(Pre-Mod. 163) (Ref. 27FS.4524646)							
R	-35A		Valve, non-return (Flight Refueling) (Mod. 163) (27FR/1489328) .							1
			Alternative							
R	703AA25	.	Valve, non-return (Flight Refueling) (Mod. 163)							1
-36	AGS1186C	.	Washer, sealing							1
-37	BH-81-885/A		Lead, bonding (Mod.69)							1
-38	BH-81-885/B		Lead, bonding (Mod.69)							1
-39	BH-81-885/C		Lead, bonding (Mod.69)							1
-40	SS135/1		Bolt assy., earth (Chap. 55-1, Fig. 6)							RF

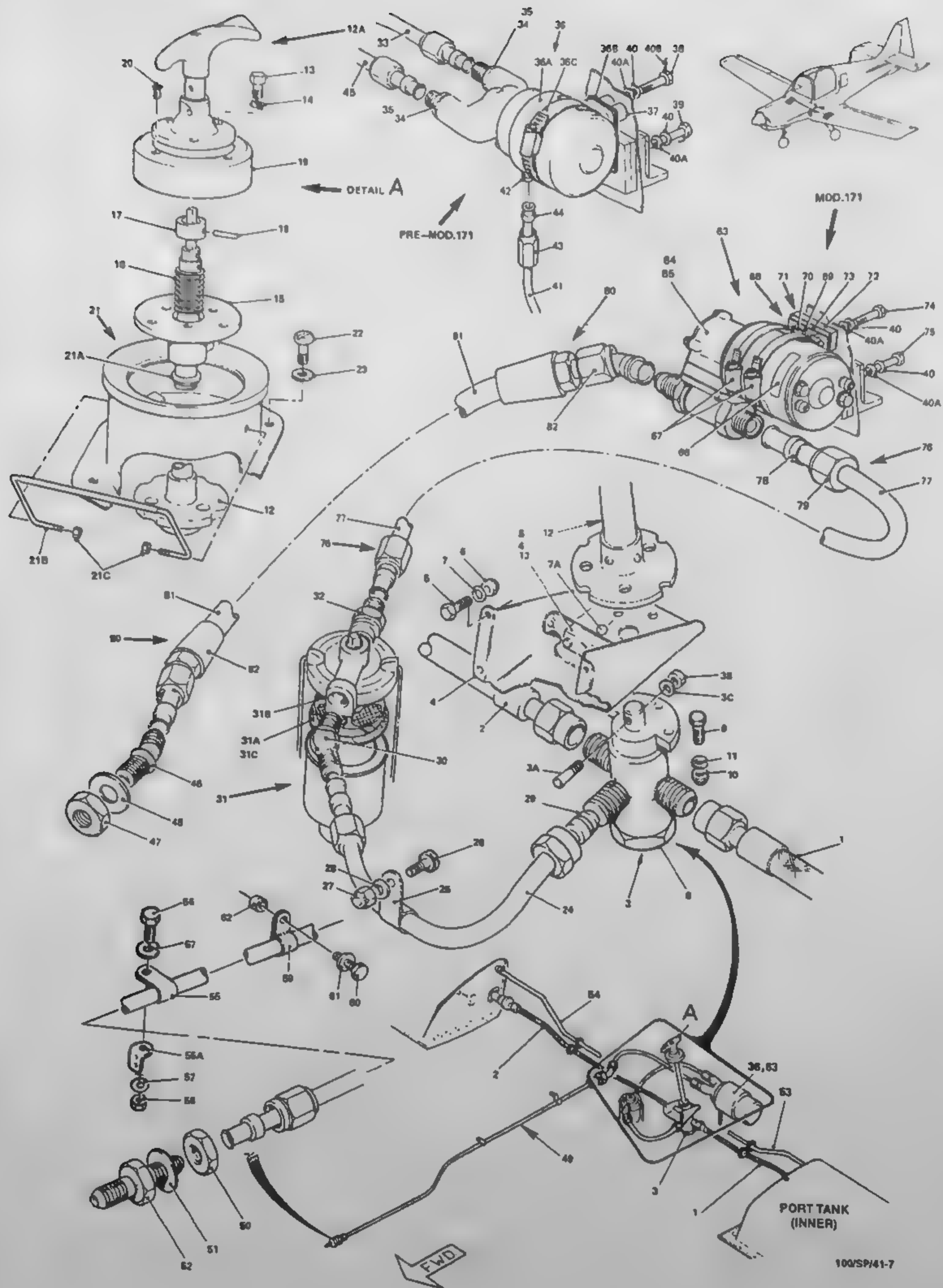


Fig.2 Fuel System, Tanks to Firewall

Fuel System
Fuel System, Tanks to Firewall

Fig & Index	Part No.	Nomenclature	Usage Code	Units per assy.
		1 2 3 4 5 6		
2-	BH-57-001	Fuel system, tanks to firewall.....		1
-1	BH-57-463	. Hose, fuel, intertank.....		1
-2	BH-57-465	. Hose, fuel, intertank.....		1
-3	BH-57-635	. Cock assy., fuel (Mod 77).....		1
-3A	1260	. Pin, cotter (Flight Refueling Ltd.).....		1
-3B	AGS2002/C1	. Nut, locking.....		1
-3C	13-C	. Washer.....		1
-4	BH-10-3325	. Bracket assy.		1
-5	A102-1/2C	. Bolt, 8-32 UNC		4
-6	H-10-08	. Nut		4
-7	SP126-C	. Washer		4
-7A	-	. Catch, Ball, 7/16 in. dia. (Bales Commercial).....		1
-8	BE-57-10013	. Valve, Modified from 503 AB80 (Flight Refueling)		1
-9	A173-1C	. Bolt, 8-32 UNC		2
-10	H-10-08	. Nut		2
-11	SP126-C	. Washer		2
-12	BH-57-633	. Extension assy., tube		1
-12A	BH-57-763	. Handle assy., control (Mod. 129)		1
-13	A102-1/2C	. Bolt		3
-14	SP-41C	. Washer, tab		3
-15	BH-57-543	. Housing, spring		1
-16	BH-57-545	. Spring		1
-17	BH-57-547	. Collar		1
-18	SP28-G6	. Pin, taper		1
-19	BH-57-605	. Cover, housing spring		1
-20	AN508-6-4	. Screw		3
-21	BH-57-639	. Shroud assy., (Pre-Mod.276)		1
R -21	BH-57-901	. Shroud assy., (Mod. 276)		1
-21A	BH-57-159	. Bearing		1
R -21B	BH-57-899	. Bar assy., locking (Mod. 276)		1
R -21C	AGS2001A1-66	. Locknut (Mod. 276)		2
-21D#	BH-18-341	. Label fuel on/off, left/right		1
-22	A116-1/2D	. Bolt		4
-23	SP126-D	. Washer		4
-24	BH-57-095	. Pipe assy., fuel cock to filter		1
-25	SS307-6C	. Clip 'P'		1
-26	A102-1/2D	. Bolt, 10-32 UNF		1
-27	H-10-3	. Nut		1
-28	SP126-D	. Washer		1
-29	AGS1142C	. Adaptor, nipple		1
-30	AN823-6D	. Union, nipple		1
-31	BH-57-761	. Strainer assy., fuel (Mod. 62)		1
-31A	5593221	. Gasket, sealing ring (Ref. 36FF/31990)		1
-31B	1-1524849	. Filter assy.		1
-31C	-	. Compound, sealing (Ref. 33H/2203419)		A/R
-32	AN816-6D	. Union, cone adaptor		1
-33	BH-57-091	. Pipe assy., filter to pump		1
-34	AN815-6D	. Union, cone adaptor		2
-35	MS29512-06	. Ring 'O'		2
-36	C8100-D	. Pump, fuel booster (Weldon Tool Co.) (Pre-Mod. 105).....		1
	BH-57-663	. Pump assy., fuel booster (Mod. 105) (Pre-Mod. 171).....		1
-36A	C8100-F	. Pump, fuel booster (Weldon Tool Co.)		1
-36B	BH-57-665	. Bracket assy., support		1
-36C	SP91-M	. Clamp (worm drive)		1
-37	BH-57-087	. Tube, distance		2
-38	BH-57-479	. Bolt, 1/4 in. 20 UNC (Pre-Mod. 107)		2
-38	BH-57-479A	. Bolt, 1/4 in. 20 UNC (Mod. 107)		1
-39	BH-57-481	. Bolt, 1/4 in. 20 UNC (Mod. 107)		2
-39	BH-57-481A	. Bolt, 1/4 in. 20 UNC (Mod. 107)		1
-40	SP124-E	. Washer		4
-40A	SP127-E	. Washer		A/R
-40B	-	. Wire, locking, 22 SWG, DTD 189 (Ref. 30A/9537135)		A/R
-41	BH-57-155	. Drain assy., fuel pump vent		1
-42	AN816-3D	. Nipple, flared tube		1

Item not illustrated

Fuel System
Fuel System, Tanks to Firewall

Fig & Index	Part No.	Nomenclature	Usage Code	Units per assy
		1 2 3 4 5 6		
1-43	BDS34-AN818-3D	. Nut, coupling		1
-44	AN819-3D	. Sleeve, flared tube		1
-45	BH-57-759	. Pipe assy., from pump (Mod. 107)		1
-46	AN837-SD	. Elbow, flared tube and universal		1
-47	BDS39/A103/PT	. Nut (Make from 28M/9416051)		2
-48	SP126-P	. Washer		3
-49	BH-57-758	. Pipe sub-assy., fuel (Mod. 107)		1
-50	AN924-6	. Nut, bulkhead, steel		1
-51	SP127-P	. Washer, steel		1
-52	AN832-6	. Union, bulkhead		1
-53	BH-57-369	. Pipe assy., fuel vent Fig. 4		RF
-54	BH-57-370	. Pipe assy., fuel vent Fig. 4.		RF
-55	SS307-6C	. Clip		1
-55A	BH-10-3625	. Cleat (Mod.107) ..		1
-56	A102-1/2C	. Bolt		1
-57	SP126-C	. Washer		2
-58	A125-C66	. Nut		1
-59	SS307-6B	. Clip		1
-60	A102-3B	. Bolt		1
-61	SP126-P	. Washer		1
-62	AS2809/4/025	. Distance piece		1
R -63	BH-57-863	. Pump assy., fuel booster (Mod. 171)		1
R -64	BH-57-881	. . Pump, fuel booster		1
R -65	AM2B6-71	. . . Pump, fuel booster (Airborne Mechanisms)		1
R -66	S.A.L.222A	. . . Label		1
R -67	SP91-L	. . Clamp (worm drive)		2
R -68	BH-57-859	. . Bracket assy., pump		1
R -69	BH-57-857	. . . Plate, angle		2
R -70	MF1000-4	. . . Nut, anchor		4
R -71	BH-57-855	. . . Base plate assy.....		1
R -72	BH-57-855/1	 Packer		1
R -73	BH-57-855/2	 Plate		1
R -74	A102-7E	. Bolt		2
R -75	BH-57-877	. Bolt		2
R -76	BH-57-873	. Pipe assy.....		1
R -77	BH-57-873/1	. . Pipe		1
R -78	MS20819/6D	. . Sleeve		2
R -79	AN818-6D	. . Nut		2
R -80	BH-57-853	. Hose assy.....		1
R -81	BH-57-853/A	. . Hose		1
R -82	MS27226-6	. . Fitting, hose		2

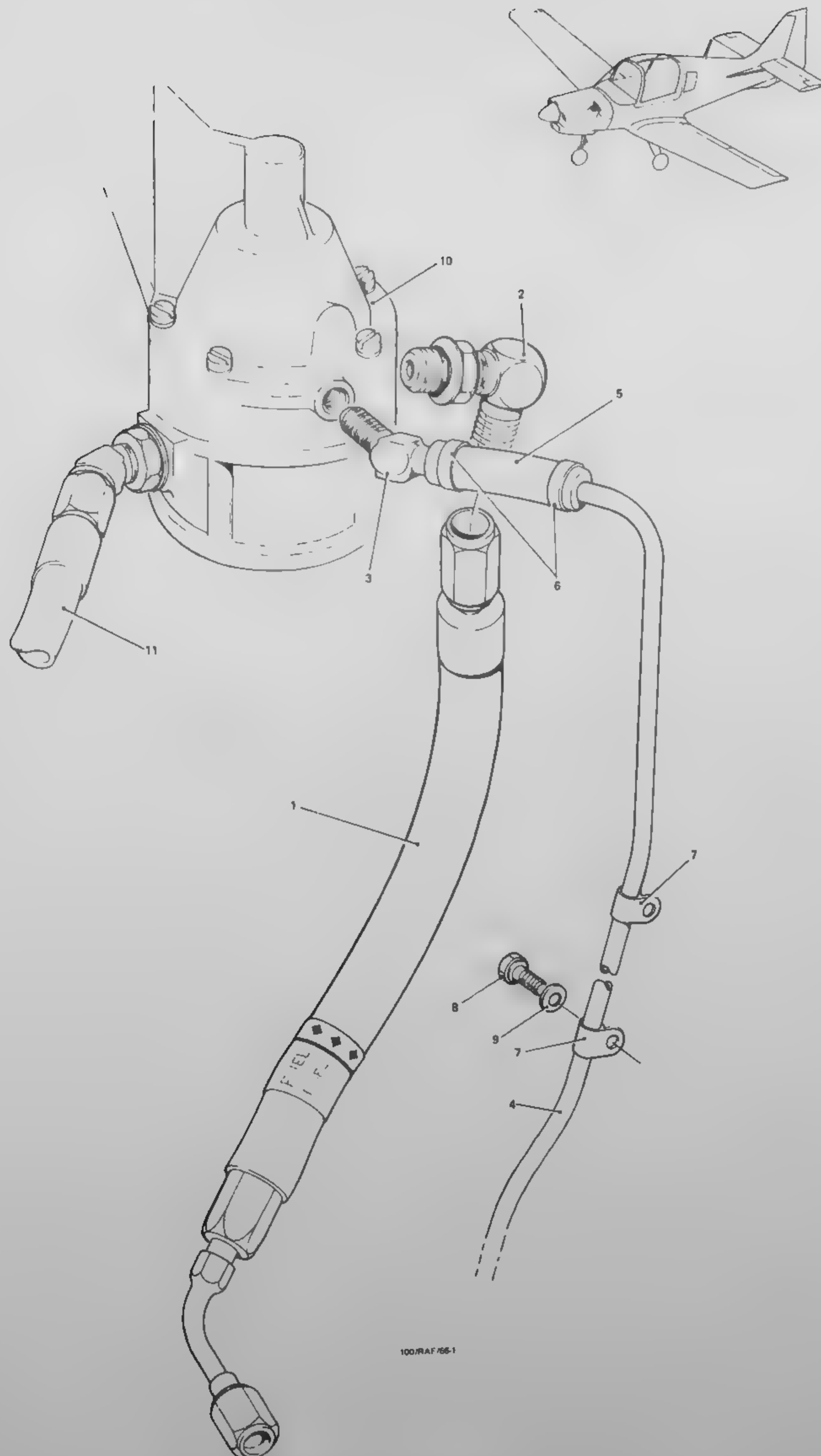


Fig.3 Fuel system in Engine Bay

Fuel System
Fuel System in Engine Bay

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
3-	BH-51-001		Fuel system, firewall to engine		RF
R -1	—		. Hose, bulkhead to fuel pump (Chap. 40-1 Fig. 7)		RF
R -2	72377		. Elbow assy. (Lycoming)		1
R -3	AN844-4D		. Adaptor		1
-4	BH-51-621		. Pipe, fuel, pump vent		1
R -5	—		. Hose, fuel, pump vent (Chap. 40-1 Fig. 7)		RF
R -6	BAS243-C2		. Clip, hose (Pre-Mod. 111)		1
	AGS3925/1		. Clip, hose (Mod. 111)		1
-7	SS307-4B		. Clip "P"		2
-8	A102-1/2B		. Bolt, 6-32 UNC		2
-9	SP126-B		. Washer		2
R -10	75247		. Pump, fuel, dual diaphragm (Pre-Brit. Mod. 243)		1
R	LW15473		. Pump, fuel (Brit. Mod. 243)		1
R -11	—		. Hose, fuel supply (Chap. 40-1 Fig. 7)		RF

Fuel System
Fuel Vent System

Fig. & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-	BH-57-001		Fuel venting system		RF
R -1	—		. Tank assy., inboard, port (Fig. 1)		RF
R -2	BH-57-477		. Hose, vent		2
R -3	SP91-B		. Clip, hose		8
R	1234-486.075		. Clip, hose (Terry Ltd.) alternative		8
R -4	BH-57-369		. Pipe, vent, port tank		1
R 5	MS35489-12		. Grommet		3
R -6	—		Lead, bonding (Chap. 55-1 Fig. 5)		RF
R -7	SP95-A22		. Grommet		1
R -8	BH-57-111		. Hose, vent		2
R -9	BH-57-353		. Pipe, vent, on U/C leg		1
R -10	BH-57-468		. Hose, vent		1
R -11	SP91-C		. Clip, hose		2
R -12	SP95-A16		. Grommet		1
R -13	SP95-A18		. Grommet		1
R -14	BH-57-151		. Pipe assy., fuel vent		1
R -15	BH-57-370		. Pipe, vent, starboard tank		1
-16	BE-49-10083		Clamp, block (Chap. 20-2 Fig. 1)		RF
-17	BE-49-10041		Clamp, block (Chap. 20-2 Fig. 1)		RF

Chapter 43
OIL SYSTEM

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Oil separator installation

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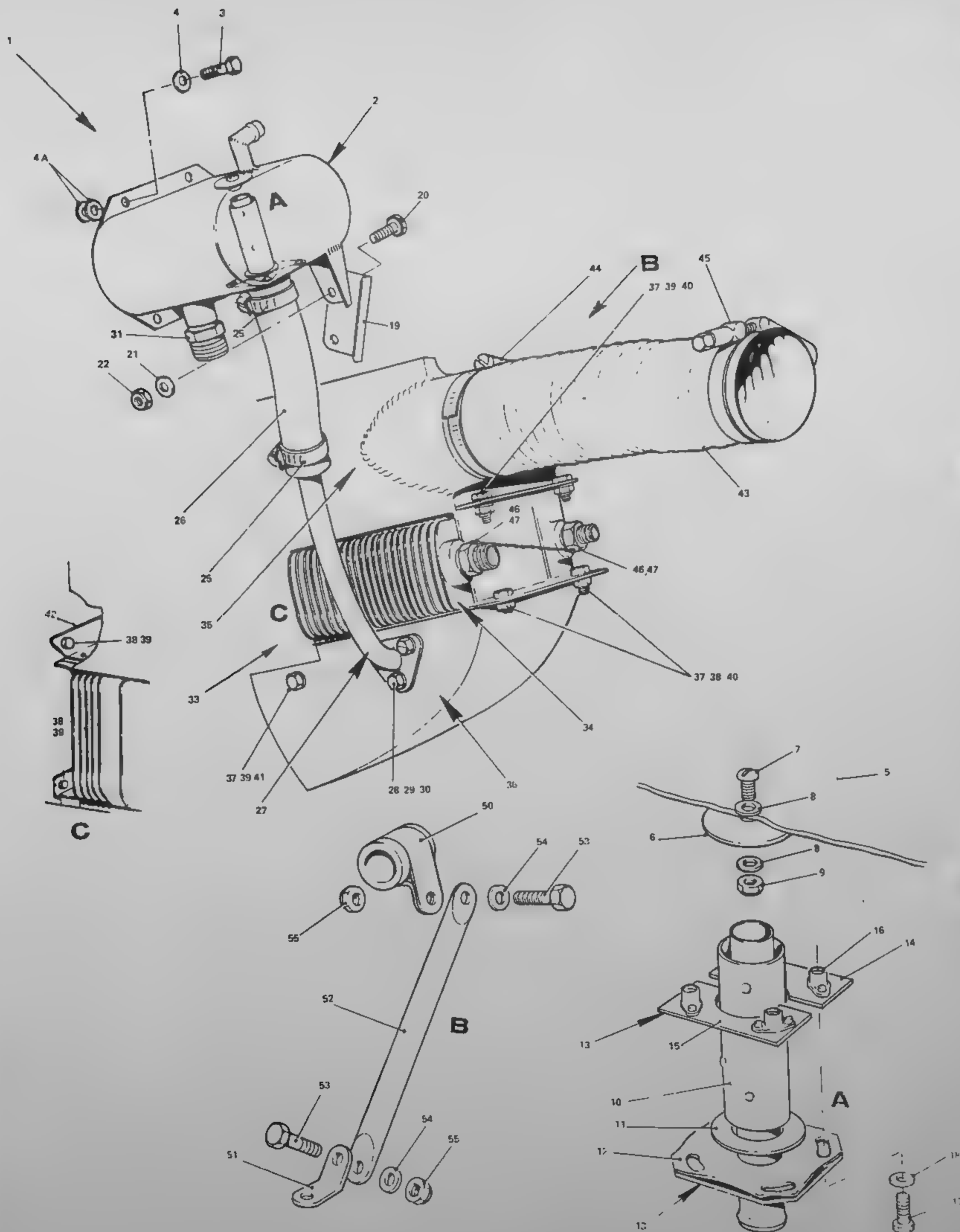


Fig.1 Oil separator installation
(E.C.U items deleted)

Oil System
Oil Separator Installation

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
1-1	BH-51-313	Oil separator installation.....		RF
-2	BH-51-315	. Tank assy., oil separator (Pre-Mod. EC263) (Pre-Mod EC268).....		1
3	BH-51-905	. Tank assy., oil separator (Mod. EC263) (Pre-Mod EC268).....		1
		Attaching parts		
	A102-2D	Bolt (Pre-Mod EC268).....		4
-4	SP126D	Washer (Pre-Mod EC268).....		4
-4A	SP18B	Washer (Pre-Mod EC268).....		8
-5	BH-51-357	. . Tank assy, welded.....		1
-6	BH-51-375	. . Seat valve, tank top.....		1
-7	MS27039-0808	. . Bolt.....		1
-8	SP126-C	. . Washer.....		1
-9	H-10-08	. . Nut.....		1
-10	BH-51-573	. . Tube, valve (Pre-Mod. EC263).....		1
	BH-51-897	. . Tube, valve (Mod EC263).....		1
-11	BH-51-373	. . Seat valve, tank bottom.....		1
-12	BH-51-371	. . Gasket.....		1
-13	BH-51-363	. . Breather assy, valve (Pre-Mod. EC263).....		1
	BH-51-903	. . Breather assy, valve (Mod EC263).....		1
-14	BH-51-377	. . Plate assy, nut.....		2
-15	BH-51-379	. . . Plate.....		2
-16	MK1000-8	. . . Nut, anchor (Kaylock).....		2
-17	A102-1C	. . . Bolt.....		4
-18	SP126-C	. . . Washer.....		4
-19	BH-51-545	. Lug, extension (Pre-Mod EC268).....		1
-20	A102-1D	. Bolt (Pre-Mod EC268).....		2
-21	SP126-D	. Washer (Pre-Mod EC268).....		2
-22	H-10-3	. Nut, stiff (Pre-Mod EC268).....		2
-26	BH-51-413	. Hose, connecting, separator extractor box (Pre-Mod EC268).....		1
-27	BH-51-415	. Pipe assy.....		1
-28	A102-1C	. Bolt.....		3
-29	SP126-C	. Washer.....		3
-30	H-10-08	. Nut, stiff.....		3
-33	BH-51-323	Oil cooler installation		RF
-34	BH-51-341	. Cooler, oil, make from Pt. No. 8534108 (Harrison Radiator)		1
-35	BH-51-397	. Box assy, intake cooling air.....		1
-36	BH-51-403	. Box assy, extractor cooling air.....		1
		Attaching parts		
-37	A102-1-1/2D	Bolt.....		8
-38	A102-1D	Bolt.....		4
-39	SP126-D	Washer.....		10
-40	H-10-3	Nut.....		8
-41	SL211-3-1	Nut, clip		2
-42	BH-51-339	. Angle attachment (oil cooler to bulkhead).....		1
-43	BH-51-693	. Duct, flexible (Mod. 33).....		1
-44	SP91-Q	. Clip, flexible duct.....		1
-45	C14087/4/1/8B	. Clamp, cowling air intake.....		1
R -46	BH-51-125	. Union, 9/16" UNF.....		2
-47	-	. Wire, locking.....		A/R
-50	4661/12	. Clip 'P'.....		1
-51	BH-51-459	. Angle, support stay.....		1
-52	BH-51-349	. Stay, oil cooler support.....		1
-53	A102-1D	. Bolt.....		2
-54	SP126-D	. Washer.....		2
-55	H-10-3	. Nut.....		2

For details of units supplied with ECU
Refer to AP102B-0102-3A, Chap. 1 Sect. 9.

Chapter 47

PROPELLER

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Propeller governor control

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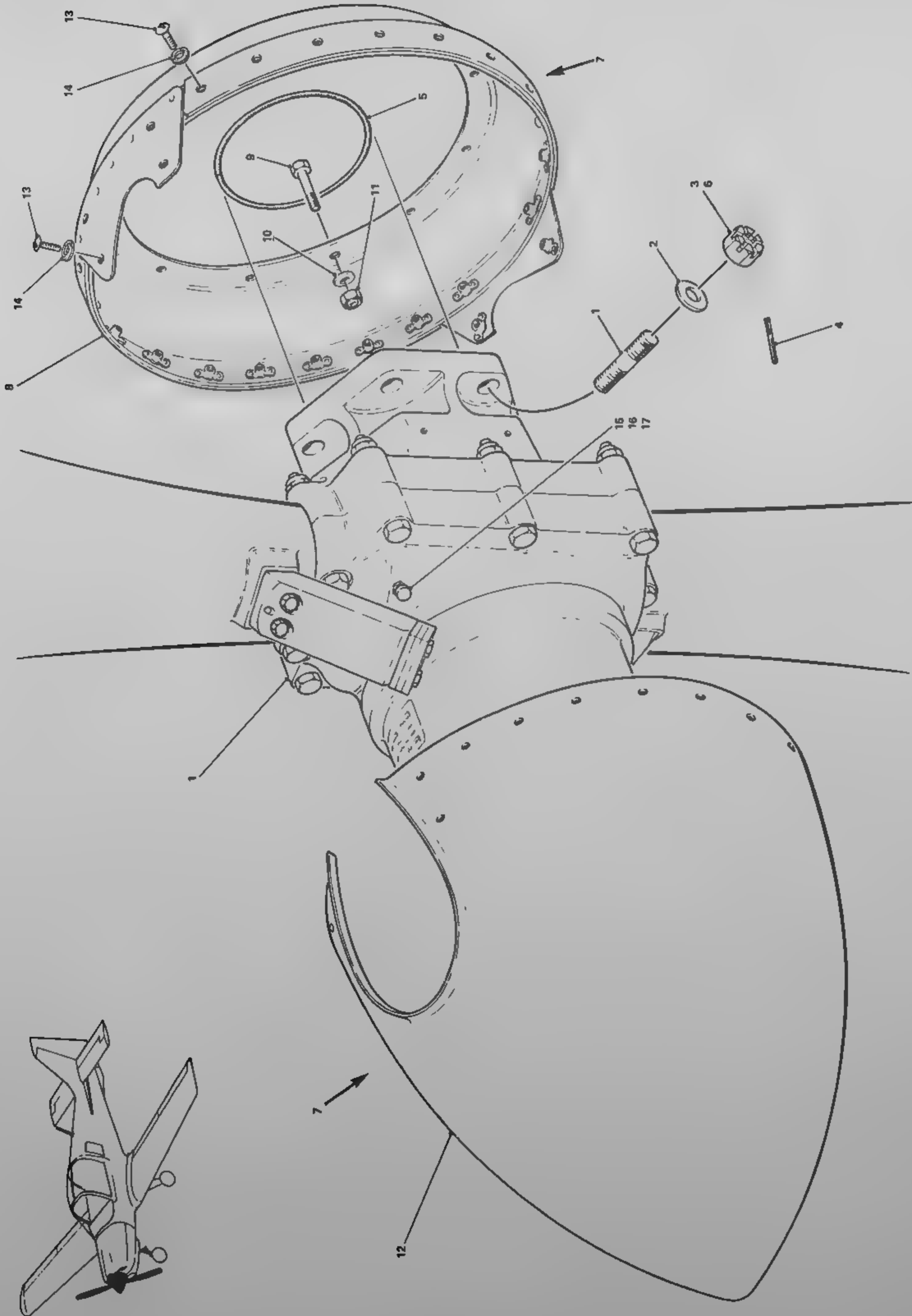


Fig 1 Propeller Assembly

Propeller
Propeller Assembly

AP101B-3801-3A

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
R1-	HC-C2YK-4F/ FC.7666A-2		Propeller (Hartzell) (Pre-Mod. 237).....		1
R	HC-C2YK-4BF/ FC.7666A-2		Propeller (Hartzell) (Mod. 237).....		1
			Attaching parts		
-1	A.2067		Stud)		6
-2	A.1381		Washer)		6
-3	A.2069		Nut,castle) (Hartzell) (Supplied		6
-4	31-S-094-0750		Pin) with Propeller)		6
-5	PRP-909-6		Ring "O" Shaft)		1
-6	—		Wire,locking DTD189x22SWG (Not supplied with propeller) (Ref. 30A 9437135)		A/R
-7	BH-54-003		. Spinner assembly (comprising of items 8 and 12 as matched set,also items 13 and 14)(Hartzell)		-
-8	C2512-5		. . Adaptor,ring unit (Hartzell).....		RF
			Attaching parts		
-9	A102-5E		Bolt.....		12
			Alternative		
	AN4-10A		Bolt.....		12
-10	SP126-E		Washer.....		12
			Alternative		
	AN960-416L		Washer.....		12
-11	H10-4		Nut.....		12
			Alternative		
	MS20365-428C		Nut.....		12
-12	C2531-10		. . Spinner,dome (Hartzell).....		RF
			Attaching parts		
-13	A114-1/2D		Bolt,10-32 UNF.....		20
-14	A1020		Washer,fibre (Hartzell).....		20
-15	1652-B		. Nipple,grease (Alemite) or equivalent.....		4
-16	No. 3		. Lubricap (Alemite).....		4
-17	—		. Wire,locking DTD189x22SWG (Ref.30A 9437135).....		A/R

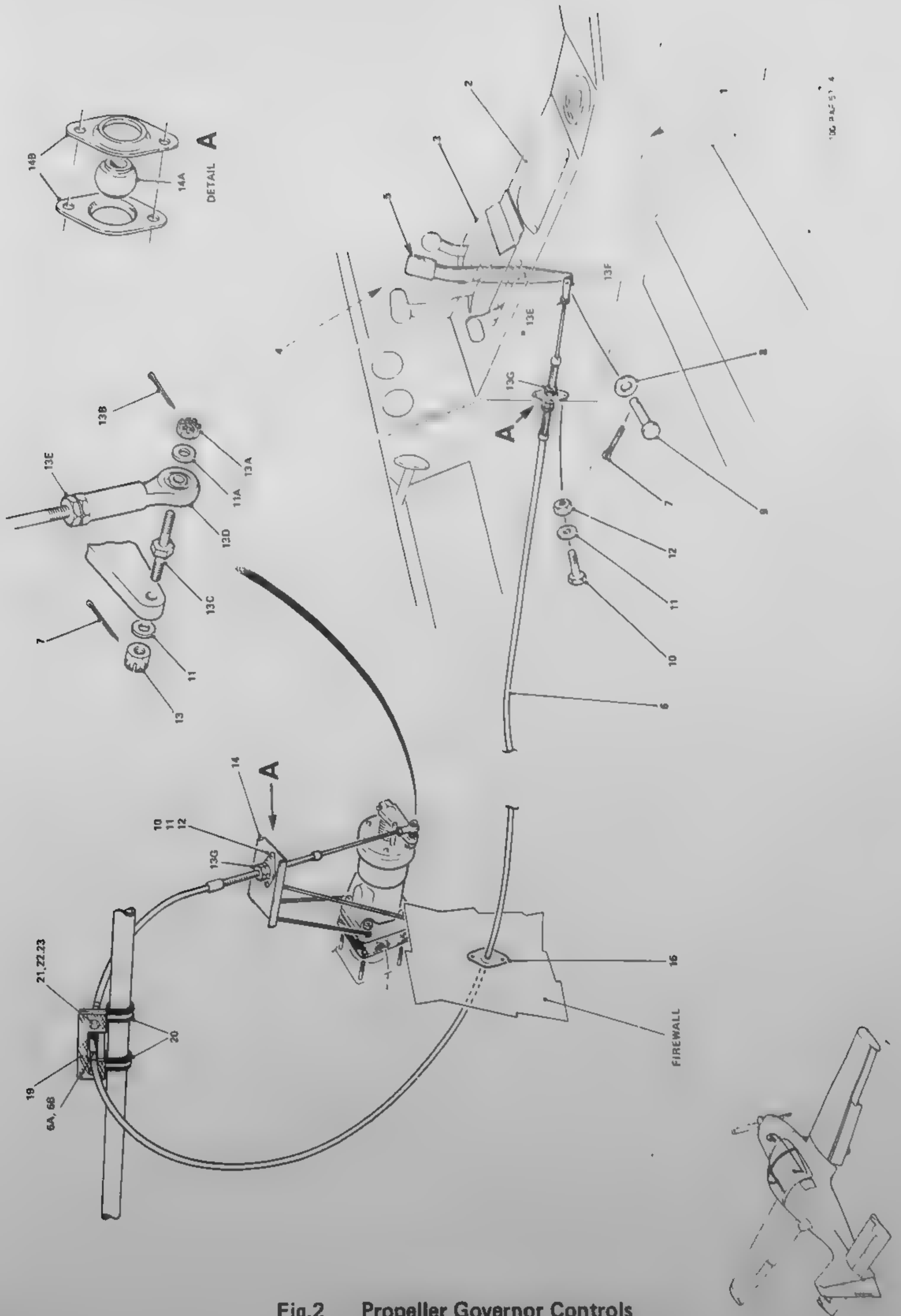


Fig.2 Propeller Governor Controls
(Mos 18 & 34 inc. E.C.U. Items deleted)

Propellor
Propellor Governor Control

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	-		Propeller controls.....		
-1	BH-10-991		. Control console sub assy. (Chap. 15-3, Fig. 1).....		RF
-2	BH-10-2535		. Control panel assy. (Chap. 40-2, Fig. 1).....		RF
-3	BH-47-101		. Gate lever (Chap. 40-2, Fig. 1).....		RF
-4	BH-47-083		. Engine control levers assy. (Chap. 40-2, Fig. 1).....		RF
-5	BH-47-113		. Lever assy., propeller pitch control (Chap. 40-2, Fig. 1).....		RF
-6	BH-47-223		. Cable assy., propeller governor control.....		1
-6 At	BH-47-447		. . Nylon tubing (Mod. 150).....		1
-6 Bt	TY23M		. . Ty-wrap (Mod. 150).....		2
			Attaching parts		
-7	SP90-C4		Pin, split.....		2
-8	SP127-D		Washer.....		1
-9	SP4YB-5		Pin, steel.....		1
-10	A102-1D		Bolt, 8-32 UNC.....		4
-11	SP126-D		Washer.....		5
-11A	SP126-C		Washer.....		1
-12	A126-D		Nut.....		4
-13	A103-DS		Nut.....		1
-13A	P16014		Nut, slotted (Pratt & Whitney).....		1
-13B	SP90-B3		Pin, split.....		1
-13C	BH-47-227		Piece, extension (Mod. 18).....		1
-13D	AGS3054		. . End, rod, spherical bearing.....		1
-13E	F68PZ		. . Nut, locking (Teleflex).....		1
-13F	92294		. . End, fork (Teleflex).....		1
			Alternative		
	8100001		. . End, fork (Teleflex).....		1
-13G	91917		. . Nut (Teleflex).....		8
R -14	BH-47-451		. Bracket, C.S.U., control (Mod. 181).....		1
-14A	A91913		. Ball, swivel (Teleflex).....		1
-14B	A91914		. Housing, half (Teleflex).....		2
-16	22103-02		. Fitting shield (Chap. 15-1, Fig. 2).....		RF
			Alternative		
	BH-10-779		. Fitting, shield.....		RF
-19	BH-47-231		. Fairlead (Mod. 34).....		2
-20	MS21919-DF12		. Clip.....		2
-21	A102-3D		. Bolt, 10-32 UNF.....		2
-22	SP126-D		. Washer.....		2
-23	H10-3		. Nut, stiff.....		2

† Items not illustrated

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ELECTRICAL POWER SUPPLIES

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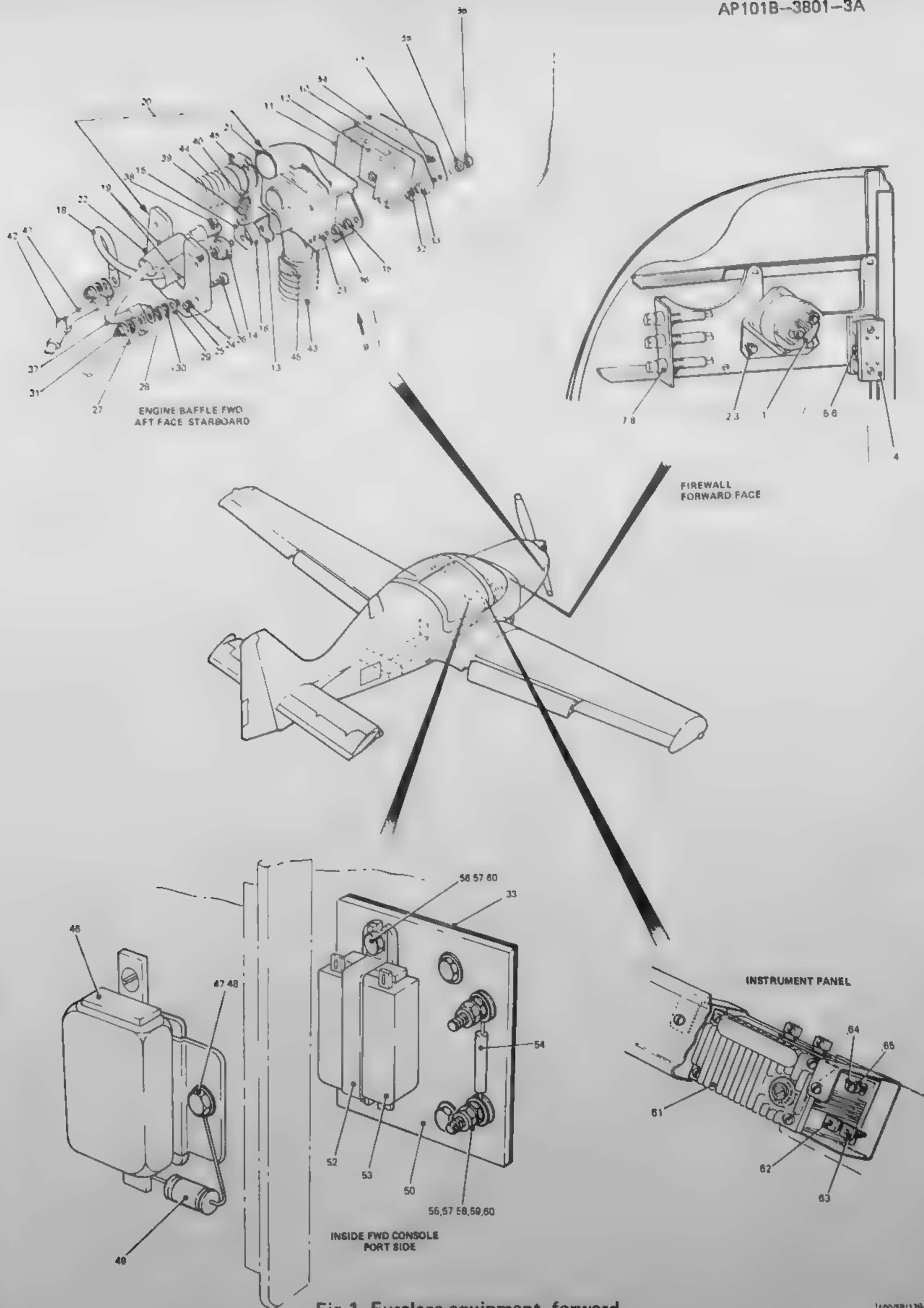
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ELECTRICAL POWER SUPPLIES

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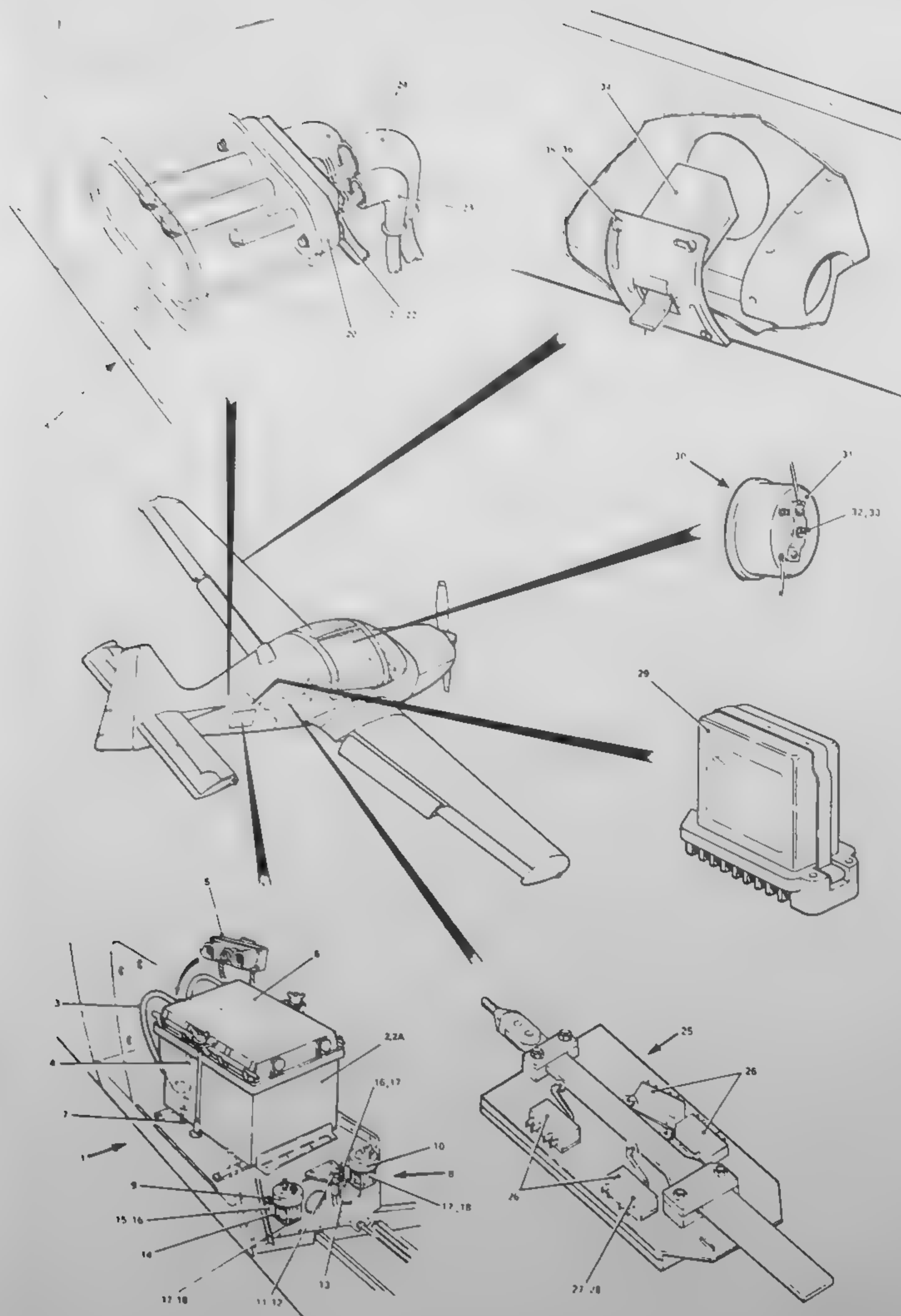
Electrical Power Supplies
Fuselage Equipment (Forward)

Fig Index	Part No	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-	BH-81-301		G. A. of Electrics		RF
	BH-81-605		Installation of electrical equipment on firewall		RF
-1	SAZ-4401C1		. Relay, starter (Prestolite)		1
	LW-12085		. Relay, starter (Avco) alternative		1
			Attaching Parts		
-2	A102-1/2D		Bolt, 10-32 UNF		2
-3	SP23-C		Washer		2
-4	183786		. Shunt (Sangamo-Weston)		1
			Attaching Parts		
-5	A102-1B		Bolt, 6-32 UNC		2
-6	A124-B		Washer		2
-7	L1744		. Fuseholder (Belling Lee Ltd)		3
-8	L693-5		. Fuse 5A (Belling Lee Ltd)		3
			Installation of rectifier and heat-sink		RF
			(Supplied with ECU)		
R -9	BH-81-895		. Rectifier and Heat-sink assembly. (Pre-Mod. 186)		1
R	BH-81-1029		. Rectifier and Heat-sink assembly. (Mod.186)		1
-9A †	BH-81-1021		. . Heat-sink assembly. (Mod. 186)		1
-10	BH-81-535		. . . Plate, heat-sink mounting		1
-11	BH-81-537		. . . Heat-sink (Pre-Mod. 186)		1
	BH-81-1023		. . . Heat-sink (Mod. 186)		1
-12	BH-81-1025		. . . Packer (Mod. 186)		1
-13	BH-81-553		. . . Terminal		1
-14	72HG-20		. . . Rectifier (Brit. Mod. 219) (International Rectifiers)		1
			(Alternative)		
	86HF20		. . . Rectifier (International Rectifiers)		1
-15	BH-81-551		. . . Washer, tab		1
-16	BH-81-569		. Washer, laminated		1
-17	A204-C14		. . . Screw, 8-32 UNC (Brit. Mod. 219)		2
-18	RHF100-1/2		. . . Sleeve, heat-shrink, red (Raychem) 3-1/2 in. long		1
			. . . "Fabsil" 1/4 in. I/D x 1.5mm wall x 3-1/2in. long		1
			(Alternative)		
-19	RHF100-3/4		. . . Sleeve, heat-shrink, red 2in. long (Raychem)		1
R -20	BH-81-897		. Duct and studboard assembly		1
-21	BH-81-529		. . Duct		1
-22	BH-81-925		. . Studboard		1
-23	A102-2B		. . Bolt, 6-32 UNC		4
-24	SP122-B		. . Washer		2
-25	A126-B66		. . Nut		4
-26	BH-81-849		. . Bolt		8
-27	SP126-E		. . Washer, plain		2
-28	A105-ET		. . Nut, thin, 1/4in. UNF		2
-29	SP122-E		. . Washer, plain		2
-30	SP47-E		. . Washer, spring		2
-31	A126-E66		. . Nut		2
R -32	BH-81-543		. Stud		2
R -33	SP126-D		. Washer, plain		2
R -34	BH-81-539		. Seal		1
R -35	SP122-D		. Washer, plain		4
R -36	A125-D		. Nut, stiff		4
R -37	BH-81-835		. Cable (Brit.Mod.219)		1
R -38	A102-1/2E		. Bolt		1
R -39	SP126-E		. Washer, plain		1
R -40	A126-E66		. Nut, stiff		1
R -41	BH-81-899		. Cable (Brit.Mod.219)		1
R -42	CMA100		. Boot (Brit.Mod.219) (Compound Moulders)		1
R -43	BH-51-683		. Ducting, flexible (Brit.Mod.181)		1
R -44	BH-51-685		. Ducting, flexible (Brit.Mod.181)		1
R -45	SP91-E		. Clip		4

† Item not illustrated

Electrical Power Supplies
Fuselage Equipment (Forward)

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-			Installation of Overvolt Relay.....		RF
-46	OS75-28		. Relay, overvoltage (Electrodelta).....		1
			Alternatives		1
	WICO 17620		. Relay, overvoltage (Wico).....		2
-47	A102-1/2D		. Bolt, 10-32 UNF.....		2
-48	SP124-D		. Washer.....		1
R -49	030 38109		. Tube-capacitor (Philips Components of London).....		1
-50	BH-81-573		. Board assembly, voltage sensor mounting.....		1
-51	BH-81-565		. . Pad, mounting.....		1
-52	BH-81-563		. . Strip, holding.....		1
-53	CZ534		. . Sensor, voltage (Repaircraft).....		1
			(Alternative)		1
	TC20018		. . Sensor, voltage AMF (Potter and Brumfield).....		1
-54	PM7		. . Resistor 8000 ohms (CG.S Resistance).....		2
-55	A206-B24		. . Screw 6-32 UNC.....		2
-56	A102-1/2B		. . Bolt, 6-32 UNC.....		8
-57	SP124-B		. . Washer.....		2
-58	SP47-B		. . Washer, spring.....		2
-59	A103-BT		. . Nut, thin.....		4
-60	A125-B		. . Nut, stiff.....		RF
	BH-81-372		Installation of voltage regulator.....		1
-61	VSF7403 (S)		. Regulator, voltage (Prestolite).....		1
-62	L1718 RED		. Pole, single connector (Belling Lee Ltd).....		1
-63	L1716 BLACK		. Pole, single connector (Belling Lee Ltd).....		8
-64	A217-C14		. Spring, 8-32 UNC.....		8
-65	SP126-C		. Washer.....		8



BOG 100/RAF/73-1

Fig 2 Fuselage Equipment Rear
(Mod 172 incorporated)

Electrical Power Supplies
Fuselage Equipment (Rear)

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-81-301		G.A of electrics.....		RF
-1	BH-10-2531		G.A of battery mounting structure (Chap.15-5, Fig.6)		RF
-2	24-19/25C		. Battery (Varley)(Pre-Mod.172).....		1
-2A	24-19/25C/V2		. Battery (Varley)(Mod.172).....		1
R -28	9750-0741		. Battery (Tungstone).....		1
-3	BH-10-2125		. Vent pipe.....		1
-4	BH-10-2585		. Vent pipe.....		1
-5	11751-1		. Connector, socket (Cannon).....		1
	V1611		. Connector, socket (Varley) alternative.....		1
-6	5J/3419		. Cover, venting assy. (Varley).....		1
-7	BH-10-2119		. Vent battery (Fuselage fitting).....		1
-8	BH-81-527		Installation of battery and ground power relays....		RF
-9	SW62A-68		. Relay, battery (Albright).....		1
-10	SW117-7		. Relay, ground supply (Albright).....		1
-11	L1744		. Holder, fuse (Beiling & Lee Ltd).....		1
-12	L693/2		. Fuse, 2A (Belling & Lee Ltd).....		1
-13	BH-81-055		. Plate, mounting (ground relay).....		1
-14	BH-81-057		. Plate, mounting (battery relay).....		1
-15	A102-1D		. Bolt, 10-32 UNF.....		4
# -16	SP124-D		. Washer.....		4
# -17	A31-C7		. Screw, 2BA.....		8
# -18	SP47-C		. Washer.....		8
-19	BH-81-219		Installation of ground supply socket.....		RF
-20	AN2552-3A		. Socket, ground power supply (Cannon).....		1
-21	A116-5D		. Bolt, 10-32 UNF.....		2
-22	SP122-D		. Washer.....		2
-23	CMA-100		. Boot, terminal cover (Component Moulders).....		1
-24	CMA-101		. Boot, terminal cover (Component Moulders).....		2
-25	BH-10-1717		Chassis, wing flap micro switch (Chap.19-1, Fig.3)...		RF
-26	K5KR		. Switch micro (Burgess Micro Switch).....		4
# -27	A102-6B		. Bolt 6-32 UNC.....		■
# -28	SP126-B		. Washer.....		8
-29	D5900		Relay, flap 20B No.3 Type D5900 (Hendry Relays).....		2
-30	BH-81-607		Installation of stall warning horn.....		RF
-31	1C53514-102		. Horn, warning (Safelight).....		1
-32	A217-C8		. Screw, 8-32 UNC.....		1
-33	SP47-X		. Washer.....		1
-34	164		. Detector lift warning (Safelight).....		1
			Attaching parts		
-35	A217-812		Screw, 6-32 UNC.....		4
-36	SP124-B		Washer.....		4

Item Not Illustrated

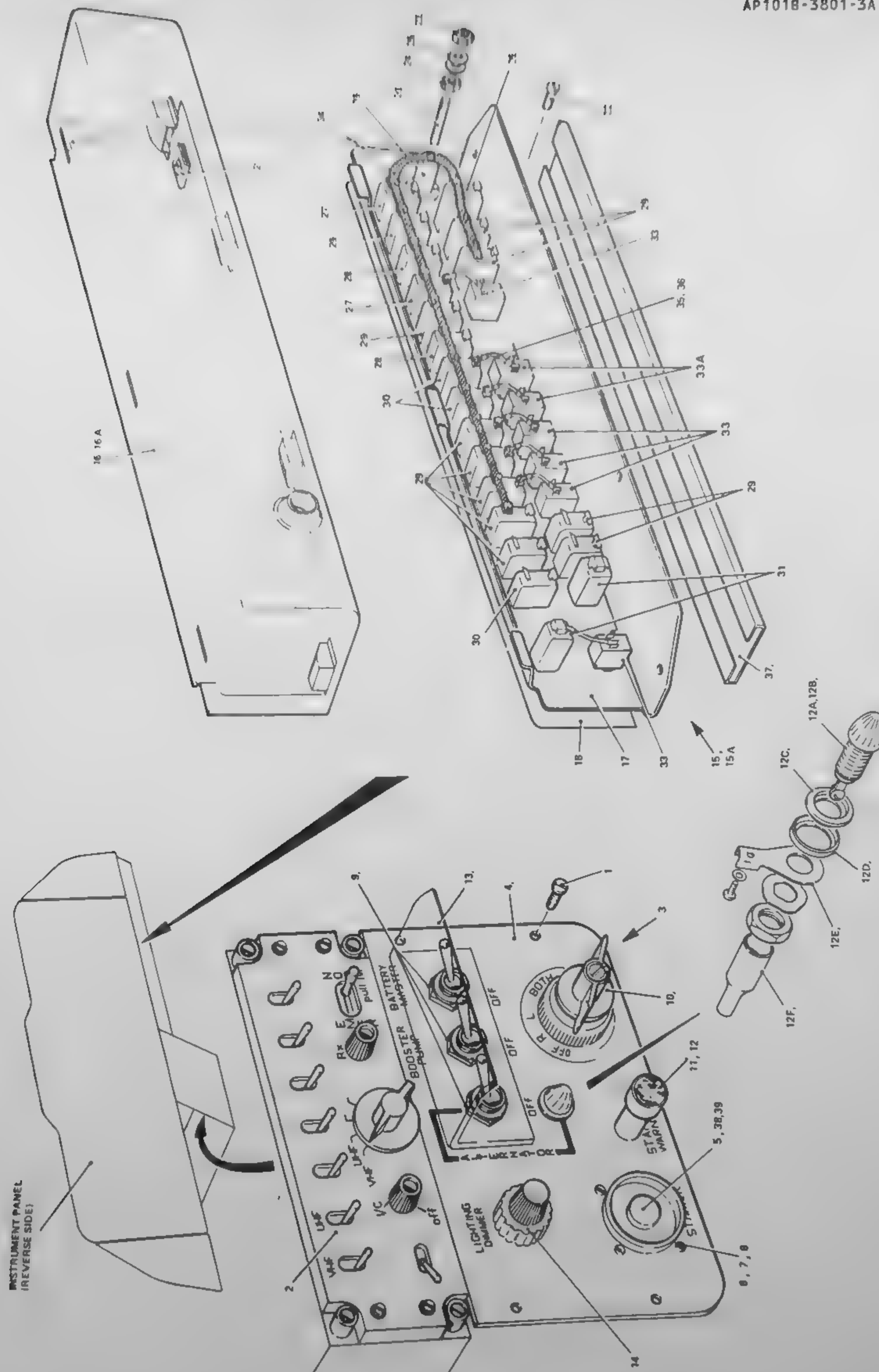


Fig. 3 Starter panels and circuit breakers

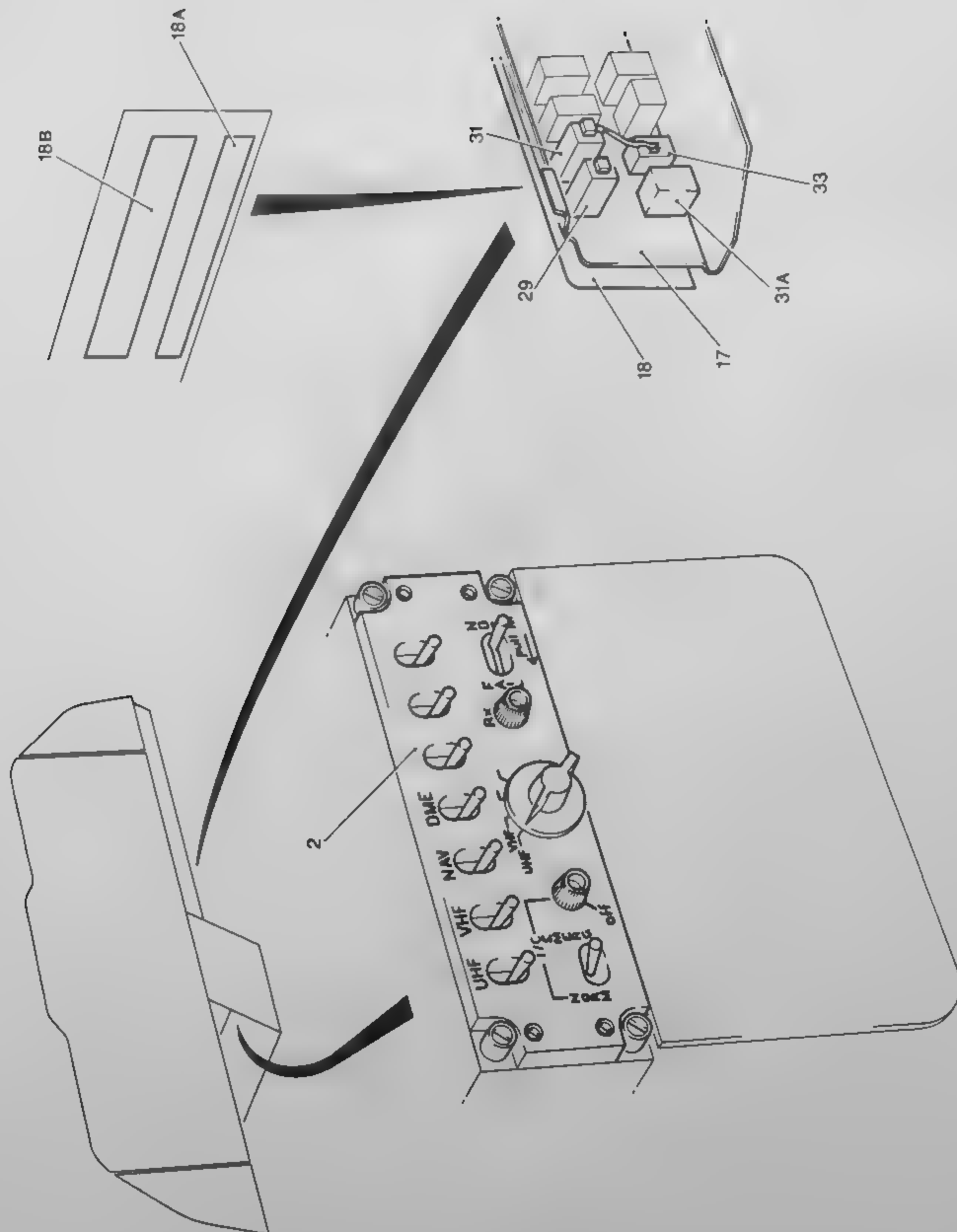


Fig. 3 Starter Panel and Circuit Breakers

Supplementary page for MCE Mod 2002

Electrical Power Supplies
Starter Panel and Circuit Breakers

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-17	BH-81-511	..Panel, front		1
-18	BH-81-749	..Label, circuit breaker panel (Mod. 40)		1
-32	7274-2-2	..Breaker, circuit 2 amp (Klixon)		1

INSERT

-2	B691/19MOD2	.Box, audio selector (S. G. Brown) (Chap 60-1, Fig.3)		RF
-17	M-R9-83-0013	.Panel, circuit breaker (MCE)		1
-18	M-R9-83-0013/1	.Label (MCE)		1
-18A	M-R9-83-0015/9	.Label, for circuit breaker panel (MCE)		1
-18B	M-R9-83-0015/10	.Label, for circuit breaker panel (MCE)		1
-32	7274-2-2	.Breaker, circuit 2 amp (Klixon)		2
-31A	7274-2-1½	.Breaker, circuit 1½ amp (Klixon)		1

Electrical Power Supplies
Starter Panel and Circuit Breakers

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
3-	BH-81-643	Starter panel-Installation.....		RF
		Attaching parts		
-1	A217-C12	Screw, 8-32 UNC.....		4
-2	B691/19	. Box, audio selector (S.G. Brown Ltd.)(Chap. 60-Fig. 1)...		RF
-3	BH-81-633	. Panel assy., starter.....		1
-4	BH-81-635	. Panel, detail.....		1
-5	D-0523	. Switch, push button, starter (Rotax).....		1
		Attaching parts		
-6	A217-A16	Screw, 4-40 UNC.....		4
-7	A126-A	Nut.....		4
-8	SP122-A	Washer.....		4
-9	93A403E-13	. Switch (Arrow).....		3
-10	BH-81-461	. Switch, ignition.....		1
-11	C500 A/8	. Lamp, indicator push button (Page).....		1
-12	L-1004	. Filament (Thorn).....		1
-12A	80/10/0071/RED	. Holder assy., lamp (Thorn).....		1
-12B	L1006	. Filament (Thorn).....		1
-12C	80/10/0096	. Washer, insulating, top (Thorn).....		1
-12D	80/10/0097	. Washer, insulating, bottom (Thorn).....		1
-12E	80/10/0644	. Tag earth (Thorn).....		1
-12F	80/10/0300	. Shroud, terminal (Thorn).....		1
-13	BH-81-639	. Guard assy., switch.....		1
-14	01-0080/GT-DT	. Switch assy., dimmer, concentric (Thorns Chap. 56-1, Fig. 2)		RF
R -15	BH-82-1481	. Panel assy., circuit breaker (Mod 146)(Pre-Mod 214).....		1
R -16	BH-81-1111	. Panel assy., circuit breaker (Mod 214).....		1
-16A	BH-81-023	. Box, circuit breaker (Pre-Mod 214).....		1
R -17	BH-81-975	. Box, circuit breaker (Mod 146).....		1
R -18	BH-81-511	. Panel front (Pre-Mod 214).....		1
R -19	BH-81-1081	. Panel front (Mod 214).....		1
R -20	BH-81-1079	. Label, circuit breaker panel (Mod.214).....		1
R -21	BH-81-1093	. Label, circuit breaker panel (Mod 214) Retro Action only		1
-22	BH-81-031	. Pillar, mounting.....		1
-23	BE-81-10241	. Stud.....		1
-24	SN1219	. Nut, clip (Spire Speed SCW).....		4
-25	ST/C/06/06	. Screw (Spire Speed SCW)(Use 28S/1213928 in lieu)....		4
-26	A125-5D	. Nut, stiff.....		1
-27	A105-DT	. Nut.....		1
-28	SP122-D	. Washer.....		2
-29	7CZ-106664-50	. Breaker, circuit 50 amp (Plessey).....		1
-30	7271-8-10	. Breaker, circuit 10 amp (Kixon).....		2
-31	7271-8-3	. Breaker, circuit 3 amp (Kixon).....		2
R -32	7271-8-5	. Breaker, circuit 5 amp (Kixon)(Pre-Mod.214/Mod.214)...		12/11
R -33	7271-8-7-5	. Breaker, circuit 7-5 amp (Kixon)(Pre-Mod.214/Mod.214)		1/3
-34	7274-2-1	. Breaker, circuit 1 amp (Kixon).....		2
R -35	260111	. Washer tab (N.S.F.).....		1
R -36	93A-403E-13	. Switch (Arrow)(Pre-mod 214/Mod 214).....		6/■
R -37A	1TL1-1N	. Switch (Honeywell)(Mod 214).....		1
-38	BH-81-625	. Busbar.....		1
R -39	RA-257	. Disconnect snap-on (Ross Courtney).....		6
-40	31883	. Terminal tag, AMP 22-16 (Ampliversal).....		6
R -41		. Plastozote 16in x 2in x ¼in.....		1
R -42#	BH-82-1209B	. Loom assy.....		1
R -43#	BH-82-1209C	. Loom assy.....		1

Item not illustrated

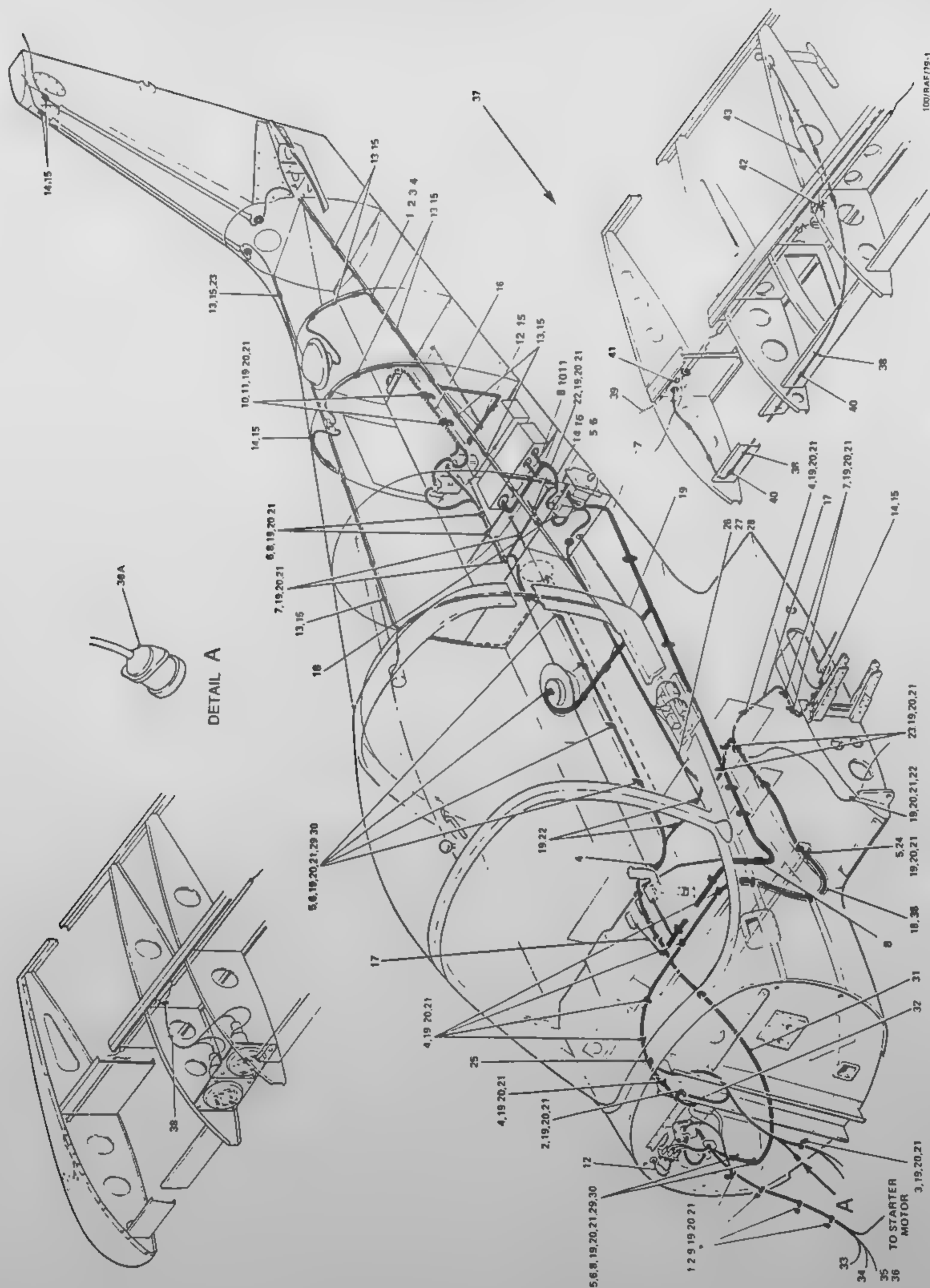


Fig. 4 Cable routing and clippings

Electrical Power Supplies
Cable Routing and Clipping

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
4-	BH-81-373		Electrical wiring and routing diagram fuselage.....		RF
-1	HTX1380/12		. Clip (Hellerman).....		4
			Alternative		
	HTX0813/12		. Clip (Hellerman).....		4
-2	HTX1380/4		. Clip (Hellerman).....		4
			Alternative		
	HTX0813/4		. Clip (Hellerman).....		4
-3	HT0813-5B		. Clip (Hellerman).....		2
-4	NX8		. Clip (Hellerman).....		10
-5	NX6		. Clip (Hellerman).....		5
-6	NX6		. Clip (Hellerman).....		6
-7	NX4		. Clip (Hellerman).....		4
-8	NX5		. Clip (Hellerman).....		2
-9	HTX1380/8		. Clip (Hellerman).....		2
-10	CY13a		. Clip (Hellerman).....		3
-11	CY14		. Clip (Hellerman).....		2
-12	SS100-5D-D		. Lead, bonding.....		1
-13	TC118		. Mount, knock-in flat (Ross Courtney Co. Ltd).....		38
-14	TC109		. Mount, knock-in R/angled (Ross Courtney Co. Ltd).....		9
-15	TY23		. Tyrap.....		A/R
-16	Nylowrap		. Wrapping, cable 12.5 mm.....		A/R
			Alternative		
	EFWrap		. Wrapping, cable 12.5 mm.....		A/R
-17	Nylowrap		. Wrapping, cable 7.5 mm.....		A/R
			Alternative		
	EFWrap		. Wrapping, cable 7.5 mm.....		A/R
-18	Nylowrap		. Wrapping, cable 5.0 mm.....		A/R
			Alternative		
	EFWrap		. Wrapping, cable 5.0 mm.....		A/R
-19	A116-1B		. Screw.....		38
-20	SP18-B		. Washer.....		38
-21	A116-B		. Nut.....		38
-22	NX2		. Clip (Hellerman).....		8
-23	NX3		. Clip (Hellerman).....		2
-24	BH-10-2423		. Cleat.....		4
-25	SP93-A6		. Grommet.....		1
-26	320559		. Splice, in-line (Ampliversal).....		1
-27	A217-A16		. Screw.....		1
-28	A125-A		. Nut.....		1
-29	A116-1/2B		. Bolt.....		4
-30	A126-B		. Nut.....		4
-31	BH-81-595		. Cable assy.....		1
-31A†	GRADE 'V'		. Sleeve P.V.C. 13'10" Long (Ref 5F/9471015).....		1
-32	BH-81-597		. Cable assy.....		1
-33	BH-81-899		. Cable assy.....		1
-34	BH-81-835		. Cable assy.....		1
-35	BH-81-303/3		. Cable assy (Pre-Mod 104).....		1
-36	BH-81-303/8		. Cable assy (Mod 104).....		1
R -36A	MS3106R-12S-3S		. Socket - oil temperature bulb.....		1
-37	BH-81-127		Cable routing and clipping, wings.....		18
-38	TY23M		. Tyrap.....		18
-39	Nylowrap 3		. Spiral, wrap (Ross Courtney Co. Ltd).....		A/R
-40	TC120		. Mounts, knock-in (Ross Courtney Co. Ltd).....		A/R
-41	SP93-B8		. Grommet.....		2
-42	UM/00817/S/2		. Block, terminal (United Moulders Ltd).....		1
-43	NX14		. Clip (Hellerman).....		1
-44†	BSG198 Type 4		. "Fabsil" sleeve, 6mm, inside dia. bore (Ref 5F/4347).....		A/R
-45†	BSG198 Type 4		. "Fabsil" sleeve, 11mm, inside dia. bore (Ref 5F/4348).....		A/R

† Item not illustrated

Electrical Power Supplies
Cable Routing and Clipping

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
4-	BH-81-1121	. Loom routing hellia strobe lights.....		RF
-46†	BH-81-1037	. Loom assy power/unit upper to c/breaker (Mod 214).....		1
-47†	6026-10-06-PN	. . Connector.....		1
-48†	GTR 62/10	. . Adapter.....		1
-49†	BH-81-1037/1	. . Cable assy.....		1
-50†	BH-81-1037/2	. . Cable assy.....		1
-51†	BH-81-1037/3	. . Cable assy.....		1
-52†	BH-81-1037/4	. . Cable assy.....		1
-53†	BH-81-1037/5	. . Cable assy.....		1
-54†	NX2	. . Clip.....		12
-55†	A116-1B	. . Screw.....		12
-56†	A126-B	. . Nut.....		12
-57†	SP18B	. . Washer.....		12
-58†	TC118	. . Mount knock-in.....		2
-59†	TY23M	. . Tywrap.....		10
	TY523M	. . Tywrap Alternative.....		10
-60†	SP1ROWRAP 2-P	. . Spirowrap 6'.....		A/R
-61†	NX4	. . Clip.....		4
-62†	NX8	. . Clip.....		1
-63†	A102-1B	. . Bolt.....		5
-64†	A125-B66	. . Nut.....		5
-65†	BH-81-1123	. . Label.....		1
-66†	BH-81-1039A	. Loom assy., upper (Mod 214)(Pre-Mod 259).....		1
	BH-81-1137A	. Loom assy., upper (Mod 259).....		1
-67†	602GB-06EG-14-5S	. . Connector.....		1
-68†	602GB-06EG-14-5P	. . Connector.....		1
-69†	602GB-285-4	. . Adaptor.....		2
-70†	202K121-3	. . Boot heatshrink.....		2
-71†	H30	. . Sleeve Ident.....		3
-72†	S1125	. . Adhesive.....		A/R
-73†	LOCTITE 241	. . Adhesive.....		A/R
-74†	BH-81-1039/A1	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/A1	. . Cable assy (Mod 259).....		1
-75†	BH-81-1039/A2	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/A2	. . Cable assy (Mod 259).....		1
-76†	BH-81-1039/A3	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/A3	. . Cable assy (Mod 259).....		1
-77†	BH-81-1039/A4	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/A4	. . Cable assy (Mod 214).....		1
-78†	BH-81-1039/B	. Loom assy lower (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/B	. Loom assy lower (Mod 259).....		1
-79†	602GB-06EG-14-5S	. . Connector.....		1
-80†	602GB-06EG-14-5P	. . Connector.....		1
-81†	602GB-285-4	. . Adaptor.....		2
-82†	202K121-3	. . Boot heatshrink.....		2
-83†	4-30	. . Sleeve Ident.....		3
-84†	S1125	. . Adhesive.....		A/R
-85†	LOCTITE 241	. . Adhesive.....		A/R
-86†	BH-81-1039/B1	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/B1	. . Cable assy (Mod 259).....		1
-87†	BH-81-1039/B2	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/B2	. . Cable assy (Mod 259).....		1
-88†	BH-81-1039/B3	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/B3	. . Cable assy (Mod 259).....		1
-89†	BH-81-1039/B4	. . Cable assy (Mod 214)(Pre-mod 259).....		1
	BH-81-1137/B4	. . Cable assy (Mod 259).....		1
-90†	BH-81-1041	. Loom assy power/unit lower to c/breaker panel (Mod 214)		1
-91†	6026-08-33-SN	. . Connector.....		1

† Item not illustrated

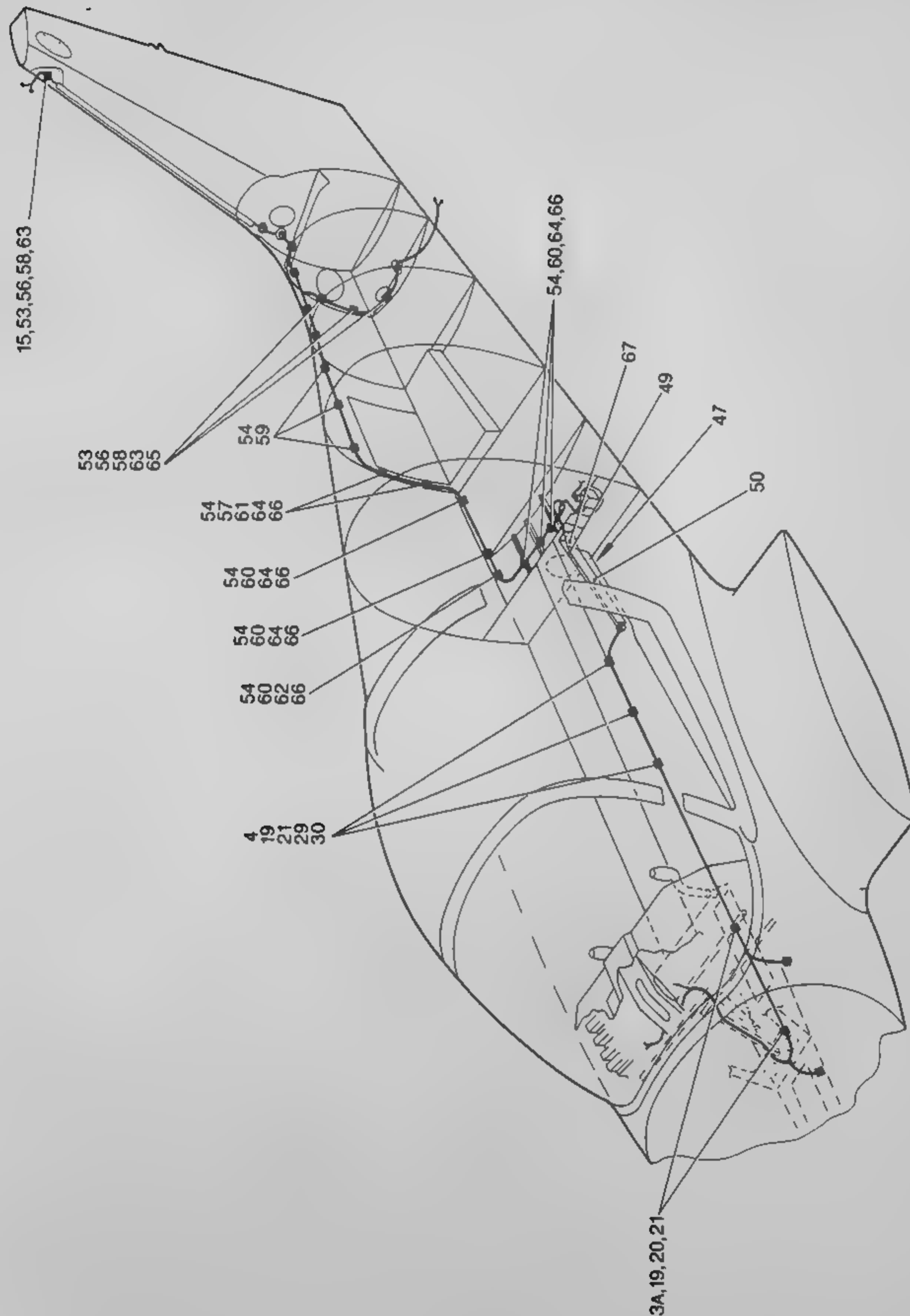


Fig. 4 Cable Routing and Clipping

Supplementary page for MCE Mod 2002

Electrical Power Supplies
Cable Routing and Clipping

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

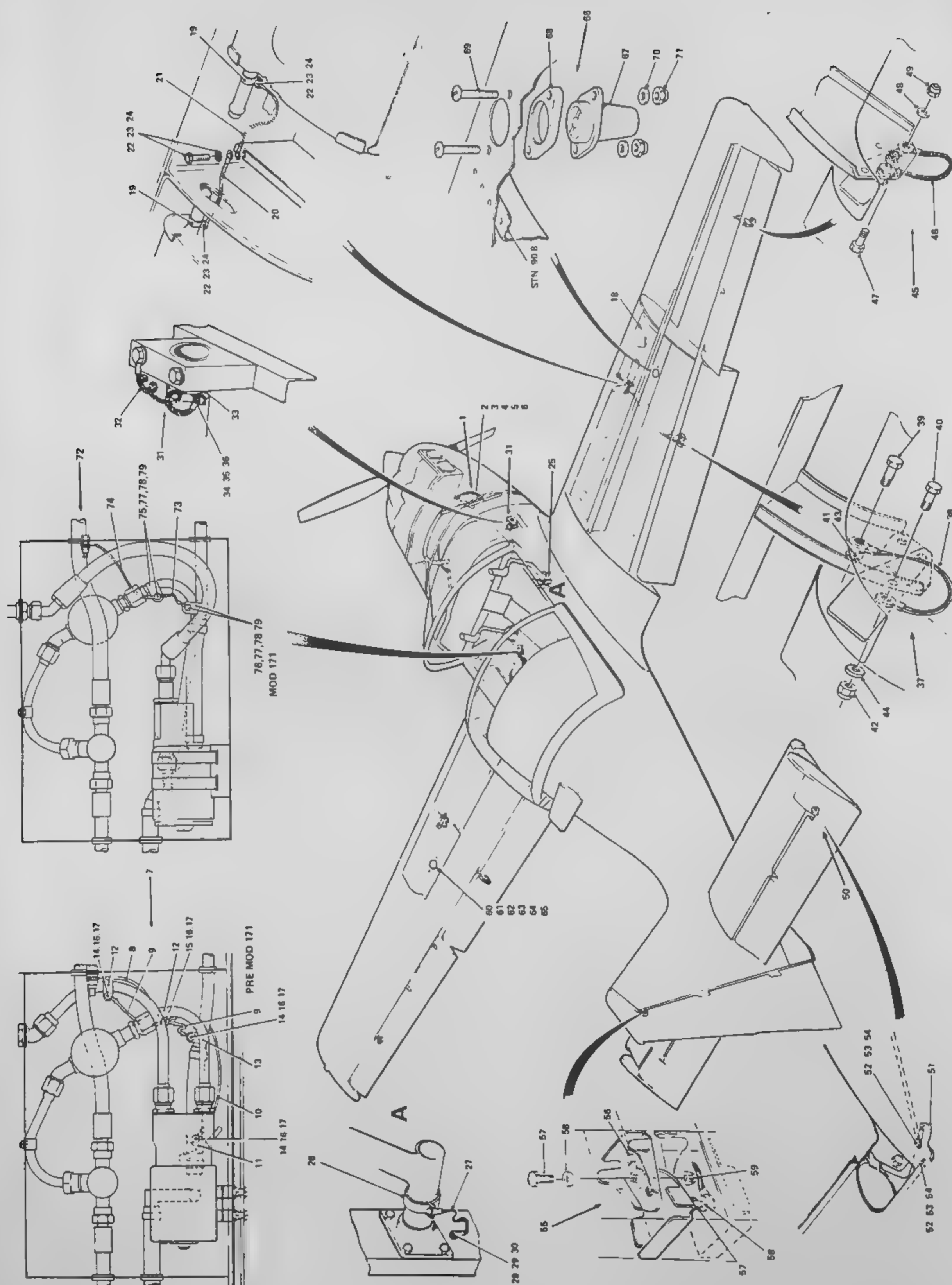
INSERT

-46+	M-R9-81-0001	G.A. of wiring and clipping		RF
-47	M-R9-81-0011/1	.Conduit base assy. (MCE)		1
-48+	WAI-4L-5W	..Stand off		6
-49	M-R9-81-0011/3	..Base, conduit (MCE)		1
-50	M-R9-81-0011	.Cover, conduit (MCE)		1
		Attaching parts		
-51+	A217-D12	Screw		7
-52+	SP122D	Washer		7
-53	TM-3SC10-C	.Holder, tywrap (Panduit)		4
-54	TM-2S6-C	.Holder, tywrap (Panduit)		11
-55+	1-N	.Spiral wrap (Hellerman)		A/R
-56	MCE-SP-1032/3	.Spacer		4
-57	MCE-SP-1032/5	.Spacer		2
-58	A217-D36	.Screw		4
-59	A227-B2	.Screw		3
-60	A217-B16	.Screw		10
-61	A217-B36	.Screw		2
-62	A125-B	.Nut		2
-63	A125-D	.Nut		4
-64	A126-B	.Nut		10
-65	SP13C	.Washer		8
-66	SP13B	.Washer		18
-67	M-R9-81-0013	.Doubler, FS 130.0 (MCE)		1
-68+	G51H/B	..Grommet, strip		AR
-69+	RTV732	..Adhesive		AR
-70	M-R9-81-0021	..Bracket assy. (MCE)		1
-71+	F1968-3H	...Anchor nut		1

+ Item not illustrated

Fig & Index	Part No.	1	2	3	4	5	6	Nomenclature	Usage Code	Units per Assy.
4-92†	GTR62/8							.. Clamp.....		1
-93†	H20							.. Sleeve marker.....		5
-94†	BH-81-1041/1							.. Cable assy.....		1
-95†	BH-81-1041/2							.. Cable assy.....		1
-96†	BH-81-1041/3							.. Cable assy.....		1
-97†	BH-81-1043							. Loom assy power/unit upper to c/breaker panel (Mod 214)		1
-98†	6026-08-33-SN							.. Connector.....		1
-99†	GTR 62/8							.. Clamp.....		1
-100†	H20							.. Sleeve marker.....		5
-101†	BH-81-1043/1							.. Cable assy.....		1
-102†	BH-81-1043/2							.. Cable assy.....		1
-103†	BH-81-1043/3							.. Cable assy.....		1
-104†	BH-81-1045							. Loom assy power/unit lower to c/breaker panel (Mod 214)		1
-105†	6026-10-06-PN							.. Connector.....		1
-106†	GTR 62/10							.. Clamp.....		1
-107†	H30							.. Sleeve marker.....		3
-108†	H20							.. Sleeve marker.....		1
-109†	BH-81-1045/1							.. Cable assy.....		1
-110†	BH-81-1045/2							.. Cable assy.....		1
-111†	BH-81-1045/3							.. Cable assy.....		1
-112†	BH-81-1055							. Cable assy.....		1
-113†	BH-81-1056							. Cable assy.....		1
-114†	BH-81-1057							. Cable assy.....		1

† Item not illustrated



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Fig. 5 Bonding Installation

Electrical Power Supplies
Bonding Installation

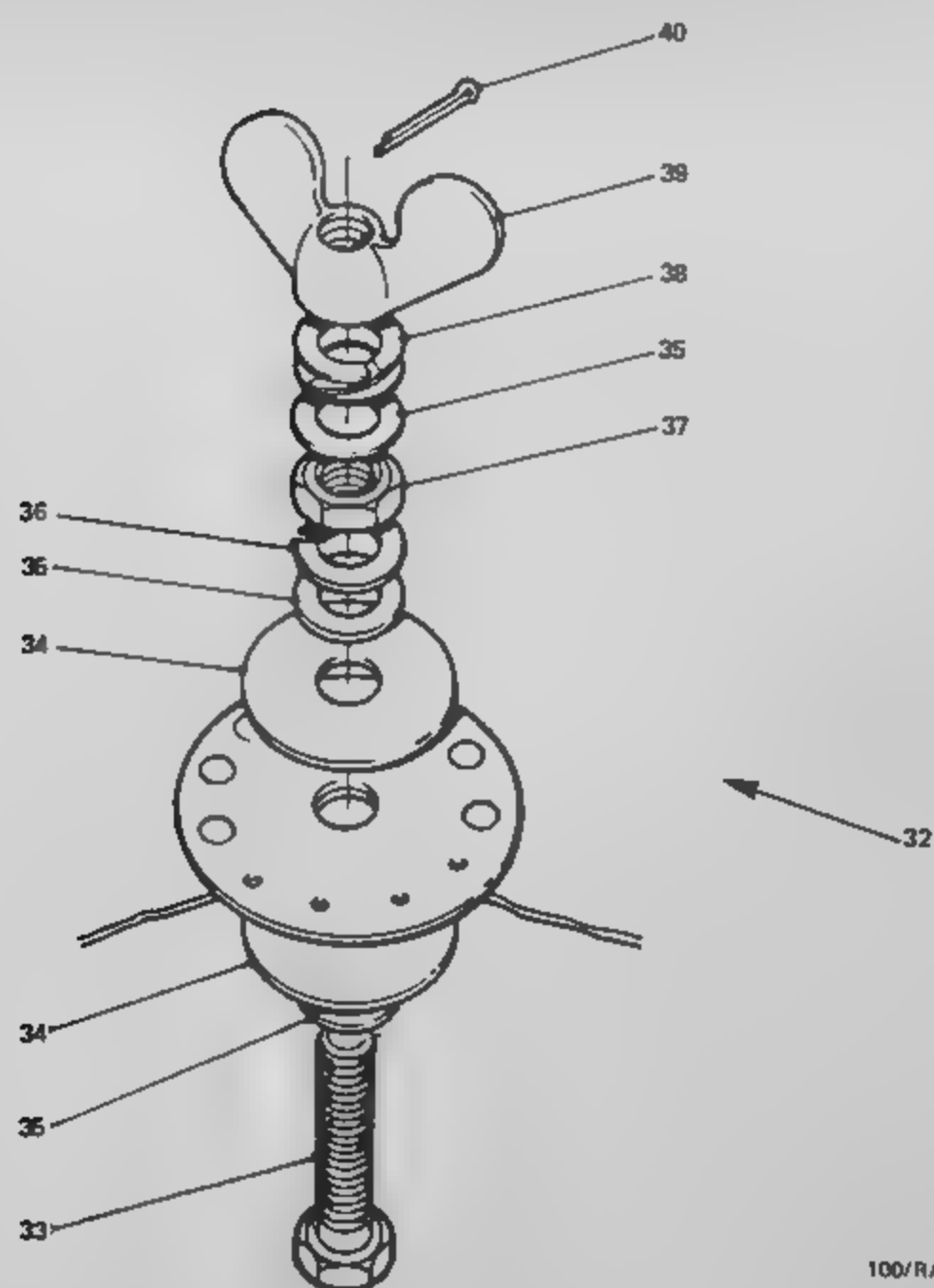
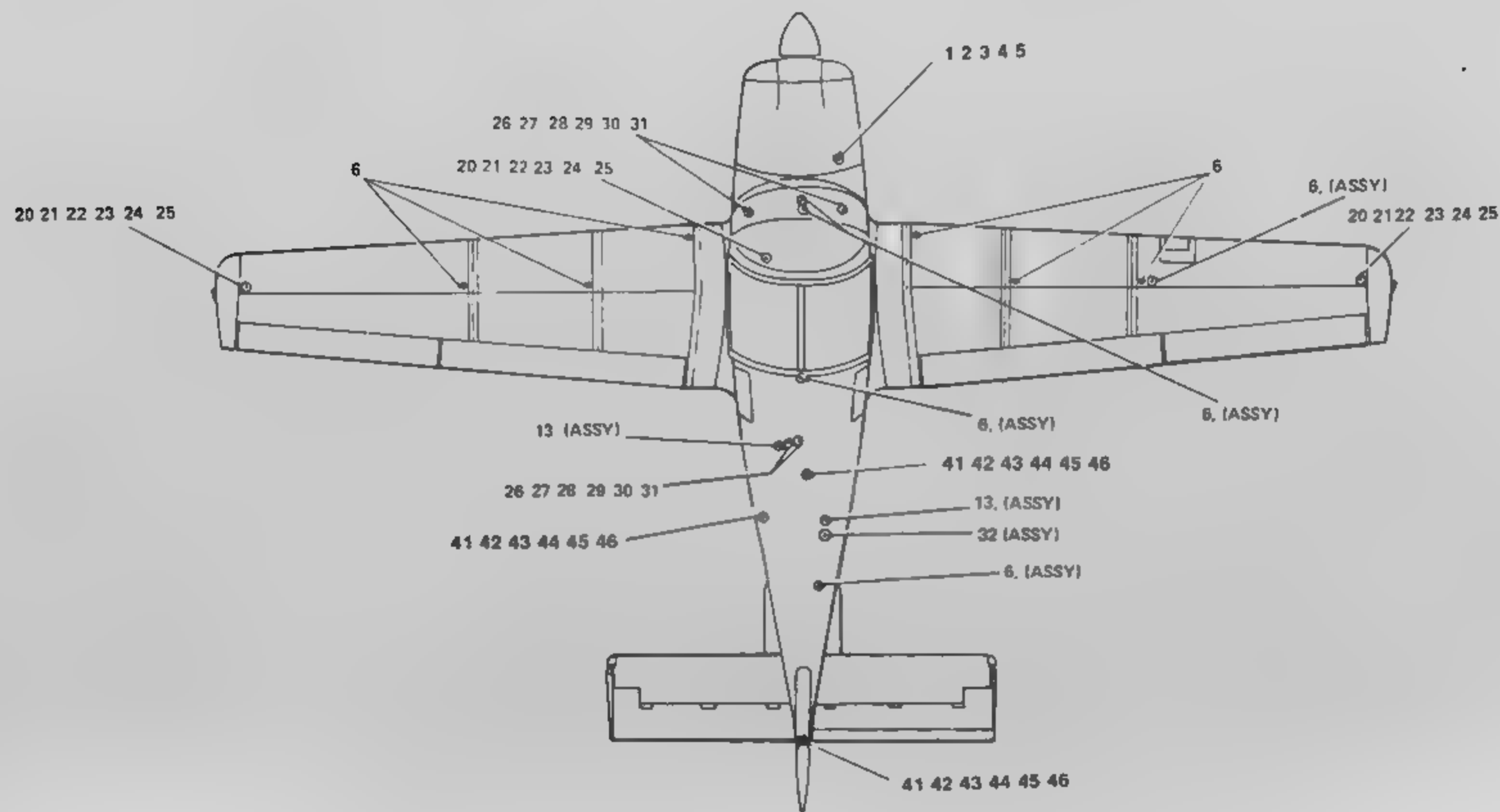
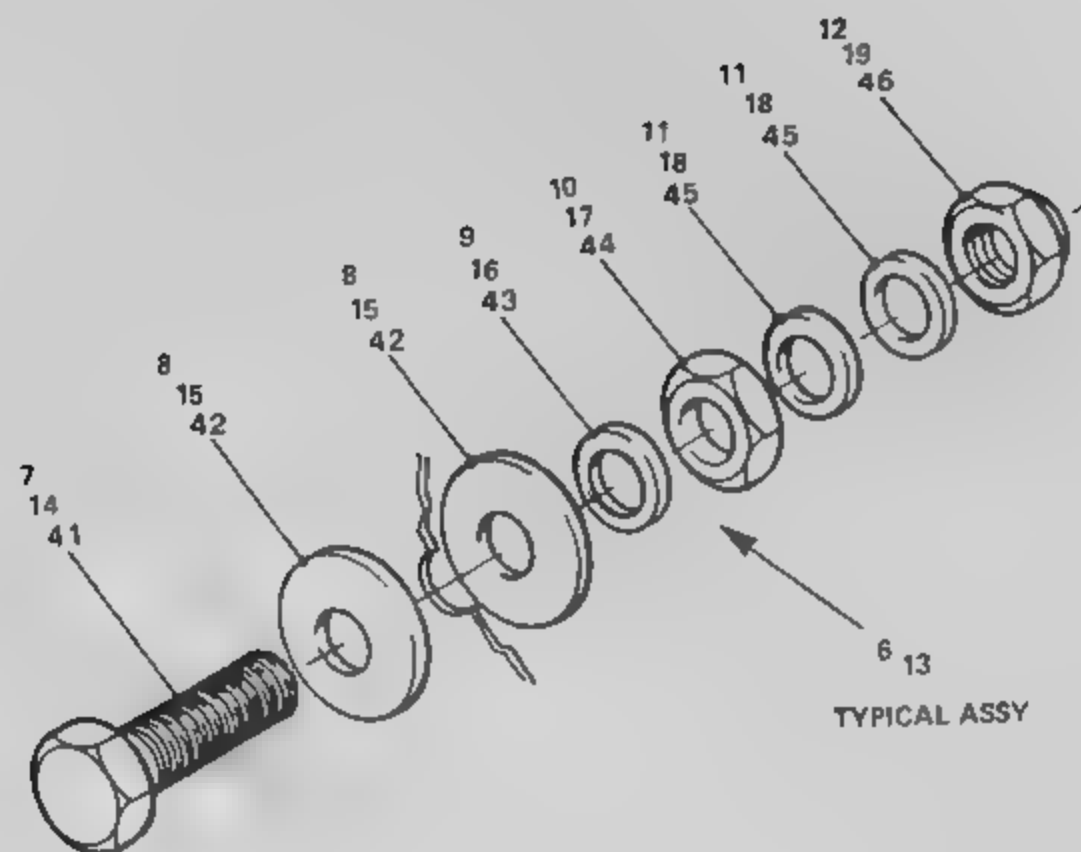
Fig. & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
5-1	BH-81-381	Engine bonding installation		RF
-2	BH-81-375	. Lead, bonding		1
-3	BH-81-377	. Lead, bonding		1
		Attaching parts		
-4 †	A102-1E	Bolt, 1/4 in. UNF		2
-5 †	SP122-E	Washer		2
-6 †	A125-E	Nut, stiff		2
-7	BH-81-069	Fuel bay, bonding installation (Pre-Mod. 171)		RF
-8	SS134-5-BD	. Lead, bonding		1
-9	SS134-3-BB	. Lead, bonding		2
-10	SS134-9-BB	. Lead, bonding		1
-11	SS307-3B	. Clip, 'P'		1
R -12	SS307-5B	. Clip, 'P'		2
-13	SS307-8B	. Clip, 'P'		1
		Attaching parts		
-14	A102-1/2B	Bolt, 6-32 UNC		3
-15	A102-2B	Bolt, 6-32 UNC		1
-16	SP124-B	Washer		4
-17	A125-B	Nut, stiff		4
-18	BH-57-163/4	Fuel tank bonding installation		RF
-19	SS/309/F	. Clip, bonding		2
		Alternative		
	AGS1661/A	. Clip, bonding		2
-20	SS134-7-CC	. Lead, bonding		1
-21	SS134-6-CC	. Lead, bonding		1
		Attaching parts		
-22	A102-1/2C	Bolt, 8-32 UNC		6
-23	A125-C	Nut, stiff		4
-24	SP126-C	Washer		6
-25	BE-81-10265	Control column, bonding installation		RF
-26	BE-81-10257	. Clip, bonding		1
-27	SS134-5-BB	. Lead, bonding		1
		Attaching parts		
-28	A102-1/2B	Bolt, 6-32 UNC		2
-29	SP125-B	Washer		2
-30	A125-B	Nut, stiff		1
-31	BE-81-10251/2	Rudder pedal torque tube, bonding installation		RF
-32	SS134-5-BD	. Lead, bonding		1
-33	BE-81-10257	. Clip, bonding		1
		Attaching parts		
-34	A102-1/2B	Bolt, 6-32 UNC		1
-35	SP124-B	Washer		1
-36	A125-B	Nut, stiff		1
-37	BH-81-349/350	Flap bonding installation		RF
-38	SS134-4-AD	. Lead, bonding		1
		Alternative		
-38	SS100-4-AD	. Lead, bonding		1
		Attaching parts		
-39	A102-1/2A	Bolt, 4-40 UNC		1
-40	A102-1/2D	Bolt, 10-32 UNF		1
-41	A125-A	Nut, stiff		1
-42	A125-D	Nut, stiff		1
-43	SP124-A	Washer		1
-44	SP124-D	Washer		1
-45	BE-81-10261/2	Aileron bonding installation		RF
-46	SS134-4-DE	. Lead, bonding		1
		Attaching parts		
-47	A102-1/2D	Bolt, 10-32 UNF		1
-48	SP124-D	Washer		1
-49	A125-D	Nut, stiff		1

† Items not illustrated

Electrical Power Supplies
Bonding Installation

Fig & Index	Part No	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
5-50	BE-81-10259		Elevator, bonding installation		RF
-51	SS134-4-DD		. Lead, bonding		1
			Attaching parts		2
-52	A113-1/2D		Bolt, 10-32 UNF		2
-53	SP124-D		Washer		2
-54	A125-D		Nut, stiff		RF
-55	BE-81-10209		Rudder, bonding installation		1
-56	SS134-5-DD		. Lead, bonding		
			Attaching parts		2
-57	A102-1/2D		Bolt, 10-32 UNF		2
-58	SP124-D		Washer		1
-59	A126-D		Nut, stiff		RF
-60*	BH-20-637		Bonding, socket installation, port (Mod. 28)		1
-61*	AS6323		. Socket, bonding		1
-62*	BH-20-639		. Packer		2
-63*	A113-2D		. Bolt, 8-32 UNC		2
-64*	SP11-C		. Washer		2
-65*	H-10-3		. Nut (Kaylock)		RF
-66*	BH-20-638		Bonding, socket installation, stbd. (Mod. 28)		1
-67*	AS6323		. Socket, bonding		1
-68*	BH-20-639		. Packer		2
-69*	A113-2D		. Bolt, 8-32 UNC		2
-70*	SP11-C		. Washer		2
-71*	H-10-3		. Nut (Kaylock)		RF
R -72	BH-81-1073		Bonding in fuel bay (Mod. 171)		1
R -73	SS134-3-BB		. Lead, bonding		1
R -74	SS134-5-DB		. Lead, bonding		1
R -75	SS307-5B		. Clip, "P"		1
R -76	SS307-8B		. Clip, "P"		1
			Attaching parts		2
R -77	A102-1/2B		Bolt, 6-32 UNC		2
R -78	SP124-B		Washer		2
R -79	A125-66		Nut		2

* Incorporated in spare wing assys. BH-00-429/430



100/RAF/29-2

Fig. 6 Earth bolts

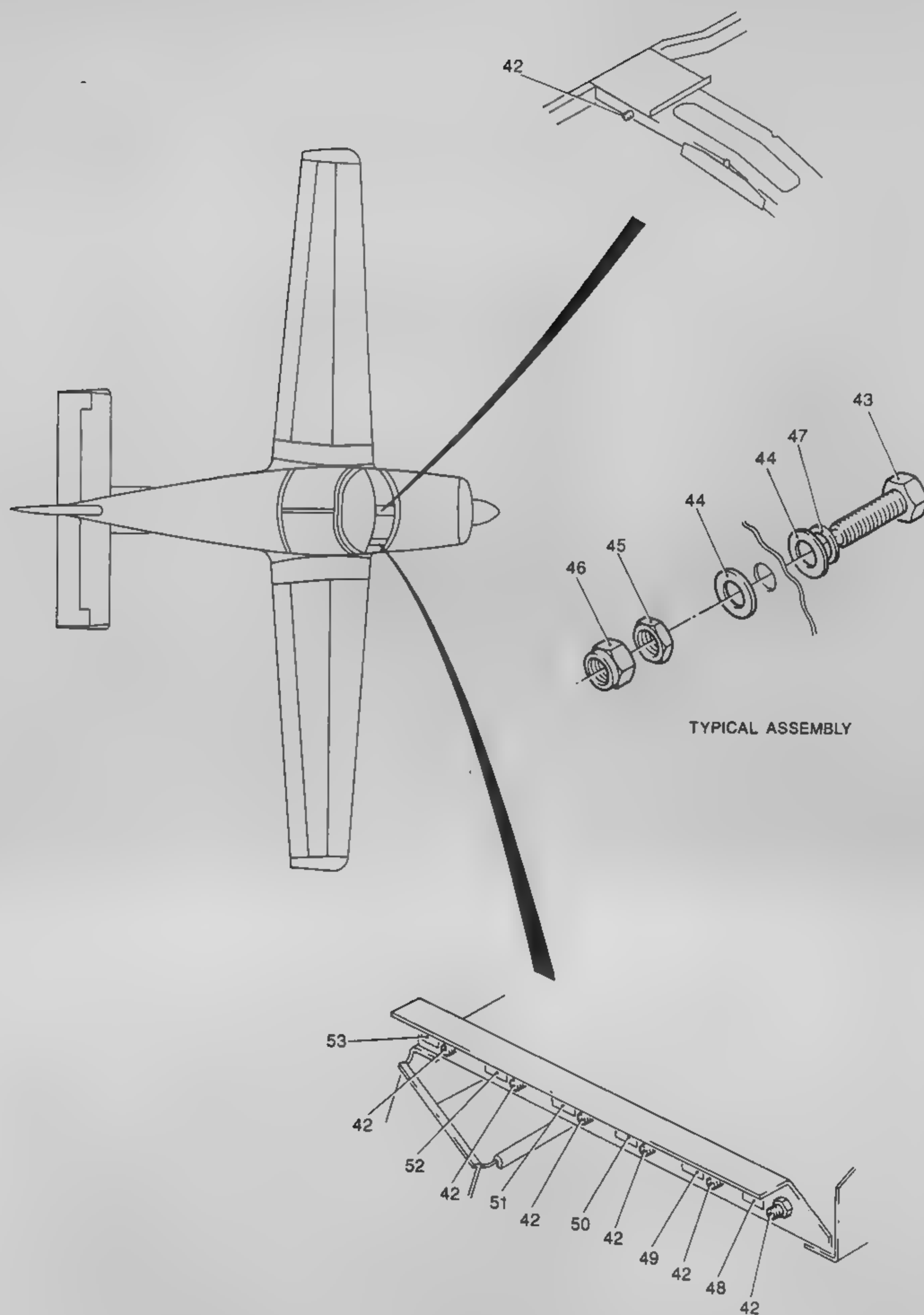


Fig. 6 Earth Bolts

Supplementary page for MCE Mod 2002

Electrical Power Supplies
Earth Bolts

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

ADD

-41+	M-R9-1-0001	G.A. of wiring and clipping (Chap. 55-1, Fig. 4)		RF
-42	MCE-SP-1026	.Ground stud assy. (MCE)		7
-43	NAS428-3-6	..Bolt		1
-44	AN960D10	..Washer		2
-45	MS35650-302	..Nut		1
-46	HW19373-3	..Nut		1
-47	MS35338-43	..Washer		1
-48	M-R9-83-0015/15	.Label, MYGS-1 (MCE)		1
-49	M-R9-83-0015/16	.Label, MYGS-2 (MCE)		1
-50	M-R9-83-0015/17	.Label, MYGS-3 (MCE)		1
-51	M-R9-83-0015/18	.Label, MYGS-4 (MCE)		1
-52	M-R9-83-0015/19	.Label, MYGS-5 (MCE)		1
-53	M-R9-83-0015/20	.Label, MYGS-6 (MCE)		1

+ Item not illustrated

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
R 6-	BH-81-1083	G.A. of Earth bolts (Mod 214).....		R■
-1	BH-10-2361	. Bolt earth.....		1
-2	SP47-E	. Washer, spring.....		1
-3	SP123-E	. Washer.....		4
-4	A103-ET	. Nut, thin.....		1
-5	A126-E	. Nut, stiff.....		1
-6	SS135/1	. Bolt assy., earth, Pre-Mod 69.....		4
		. Bolt assy., earth, Mod.69.....		10
-7	B2-81-1393	. . Bolt, earth.....		1
-8	SP18-C	. . Washer.....		2
-9	SP47-C	. . Washer, spring.....		1
-10	A103-DT	. . Nut, thin.....		1
-11	SP123-D	. . Washer.....		2
-12	A126-D	. . Nut, stiff.....		1
-13	SS135/2	. Bolt assy., earth.....		2
-14	B2-81-455	. . Bolt, earth.....		1
-15	SP18-G	. . Washer.....		2
-16	SP47-G	. . Washer, spring.....		1
-17	A103-GT	. . Nut, thin.....		1
-18	SP123-G	. . Washer.....		2
-19	A126-G	. . Nut, stiff.....		1
-20#	A217-D32	. Bolt, earth, 10-32 UNF.....		2
-21#	SP18-D	. Washer.....		4
-22#	SP47-D	. Washer, spring.....		2
-23#	A103-DT	. Nut, thin.....		2
-24#	SP122-D	. Washer.....		4
-25#	A125-D	. Nut, stiff.....		2
-26#	A217-B24	. Bolt, earth, 6-32 UNC.....		3
-27#	SP18-B	. Washer.....		6
-28#	SP47-B	. Washer, spring.....		3
-29#	A103-BT	. Nut, thin.....		3
-30#	SP123-B	. Washer.....		6
-31#	A126-B	. Nut, stiff.....		3
-32		Bolt assy., earth, Mod.79 (Chap.15-5, Fig.6).....		RF
-33	BH-10-3511	. Bolt.....		1
-34	SP18-G	. Washer.....		2
-35	SP126-G	. Washer.....		3
-36	SP47-G	. Washer, spring.....		1
-37	A103-GT	. Nut.....		1
-38	SP55-G	. Washer, spring, double coil.....		1
-39	AGS3413-G	. Nut, wing.....		1
-40	SP90-C5	. Pin, split.....		1
R -41	13730167K-1	. Bolt (Mod 214).....		1
R -42	SP18C	. Washer (Mod 214).....		2
R -43	SP47C	. Washer spring (Mod 214).....		1
R -44	A103DT	. Nut thin (Mod.214).....		1
R -45	SP123D	. Washer (Mod 214).....		2
R -46	A126D	. Nut stiff (Mod 214).....		1

Item not illustrated

Chapter 56

LIGHTING

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Lighting

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Chapter 56

Lighting

Section 1

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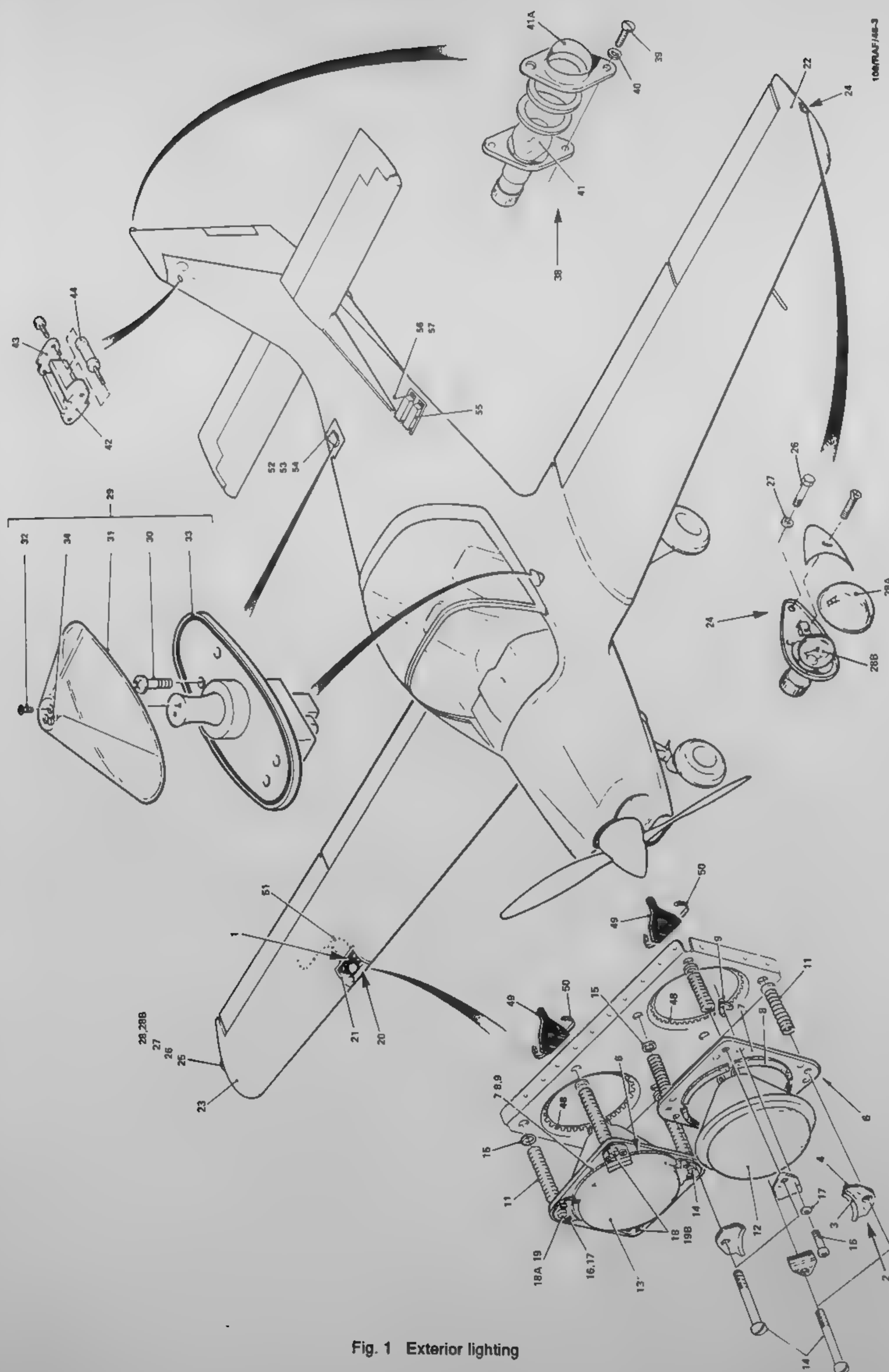


Fig. 1 Exterior lighting

Lighting Equipment
Exterior Lighting

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
1-	BH-81-701		Installation of landing and taxi light (Mod.36).....		RF
	BH-81-827		Installation of landing and taxi light (Mod 72).....		RF
-1	BH-20-579		. Diaphragm assembly, landing and taxi light Chap.16-1, Fig 3		RF
-2*	BE-20-10231		. Plate assembly, angle, clamping (Mod. 36 and 72)		4
-3	BE-20-10231/3		. . Plate, angle clamping		1
-4	BE-20-10231/5		. . Strip, rudder 1/16 in. thick (BS115411).....		1
-5			. . Adhesive (Bostik'C')		A/R
-6*	BH-81-703		. Plate assembly, clamping (Mod.36 & 72).....		1
-7	BH-81-705		. . Plate, clamping		1
-8	BH-81-707		. . Segment, rubber		4
-9	MK3000-06		. Nut, anchor		8
-11*	B2-81-391		. Spring.....		4
-12	4594		. Unit, light landing (Mod. 36) (G.E.).....		1
R -13	GE4593		. Unit, light taxi (Mod. 72) (G.E.)		1
			Attaching parts		
-14	A217-D32		Screw 10-32 UNF (Mod. 36)		1
			Screw 10-32 UNF (Mod.72)		1
-15	SP124-D		Washer		1
-16	A217-B16		Screw 6-32 UNC		8
-17	A122-B		Washer		8
-18	A217-D40		Screw 10-32 UNF (Mod. 72)		2
-18A	A117-11D		Bolt 10-32 UNF (Mod. 72).....		1
-19	AS2809/4/050		Piece, distance (Mod. 72)		1
-19B	SP125-B		Washer (Mod. 72).....		1
-20	BH-20-345		. Cover assembly		1
-21	A113-1C		. Screw, 8-32 UNC		16
-22	BH-20-453		Tip assembly, wing, port, Chap. 16-1, Fig. 3.....		RF
-23	BH-20-454		Tip assembly, wing, stbd. Chap. 16-1 Fig. 3.....		RF
-24	A1285-R24		. Light, navigation, red (Grimes).....		1
-25	A1285-G24		. Light, navigation, green (Grimes)		1
			Attaching Parts		
-26	A102-3B		Screw 6-32 UNC		3
-27	SP124-B		Washer		3
-28	AN3042-1		. . Glass, red		1
-28A#	AN3042-2		. . Glass, green		1
-28B	A7512-24		. . Filament (Grimes)		1
	BH-81-1113		Installation of Hella strobe lights (Mod 214).....		RF
-29	21A003849-00		Strobe light upper and lower (Hella) (Mod. 214).....		2
			Attaching Parts		
-30	A113-1/2D		Bolt 10-32 UNF (Mod. 214)		4
-31	9EL-401-955-00		. . Lens (Hella) (Mod . 214).....		1
-32	9NS-401-720-00		. . Screw (Hella) (Mod.214).....		2
-33	9GD-401-676-00		. . Seal (Hella) (Mod.214)		1
-34	9GE-8522-00		. . Bung upper only (Hella) (Mod.214).....		1
Items	35 to 37 not used.				
-38	A2064-24		Light, navigation, tail (Grimes)		1
			Attaching Parts		
-39	A116-1B		Screw, 6-32 UNC		2
-40	SP122-B		Washer		2
-41	1683		. Filament 24V (G.E.C)		1
-41A	AN3110-4		. Glass, clear.....		1
-42	UM/00817/S/1		Block, terminal (United Moulders)		1
-43	UM/00820/1		Cover (United Moulders).....		1
-44	UM00822		Pillar, fixing (United Moulders)		2

* Incorporated in spare wing assembly Pt. No. BH-00-429/430
#Item not illustrated

Lighting Equipment
Exterior Lighting

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per assy.
-48	G51-P-A		Grommet, flexiform, 12 in.g. (Hellermann)		1
-49	BH-81-1077		Boot-pre-shrunk-make from 1501-3-B5 (Hellermann)		1
-50	TY25M		Tyrap (Thomas & Betts)		A/R
-51	TY23M		Tyrap (Thomas & Betts)		A/R
	BH-10-3947		Installation mounting plate upper strobe light (Mod. 214)		RF
-52	BH-10-3949		. Plate mounting (Mod.214)		1
-53	BH-10-3849		. Plate mounting retro only (Mod. 214)		1
-54	BH-10-3843		. Plate patch retro only (Mod.214)		1
	BH-81-1119		Installation of power units for upper and lower strobe lights.....		RF
-55	8ES-003-417-00		. Power units (Hella) (Mod. 214)		2
			Attaching Parts		
-56	A116-1D		Bolts 10-32 UNF (Mod. 214)		6
-57	SP126D		Washer (Mod. 214)		6
-58#	BH-81-1117		. Label upper (Mod.214)		1
-59#	BH-81-1115		. Label lower (Mod.214)		1

Item not illustrated

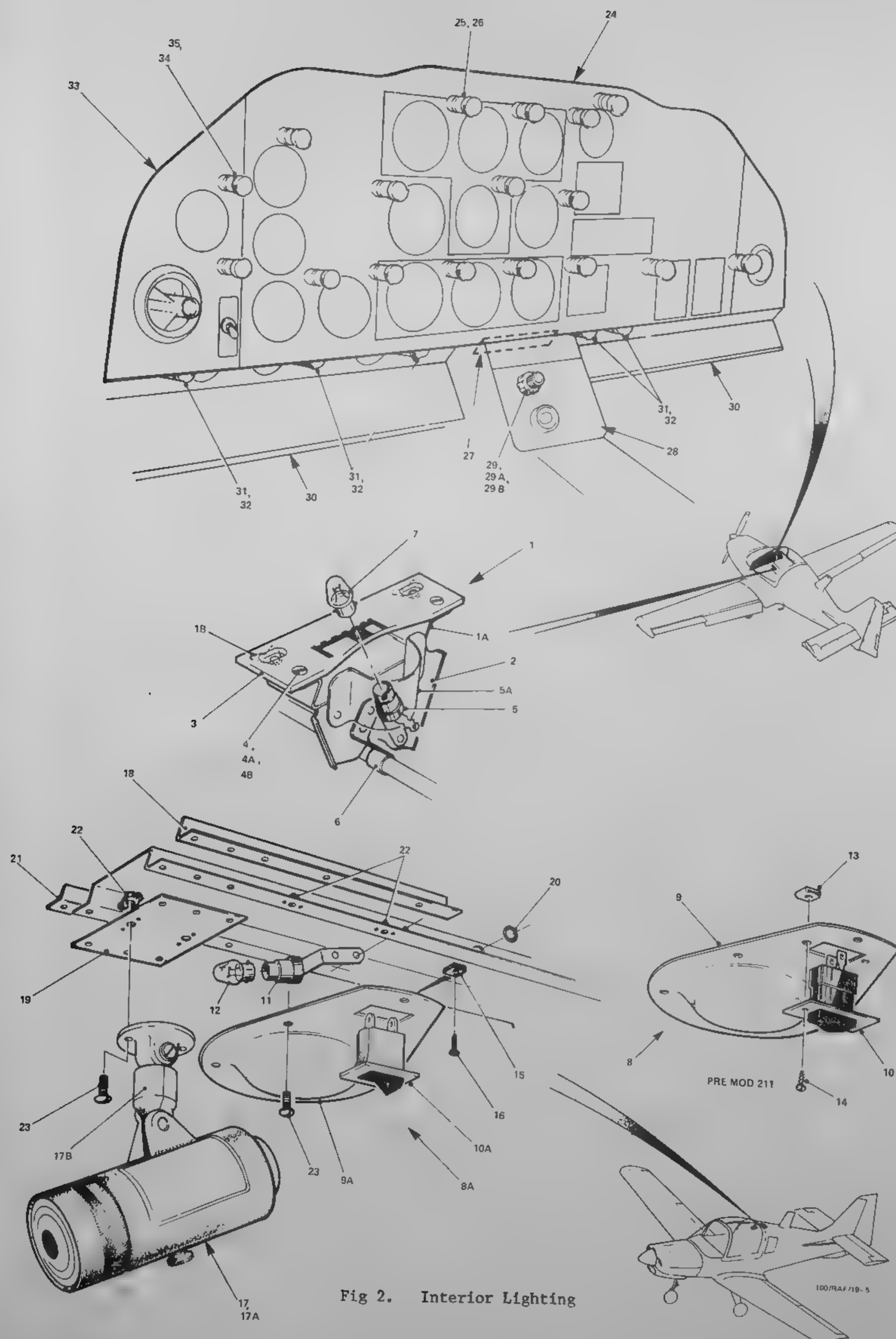


Fig 2. Interior Lighting

Lighting Equipment
Internal Lighting

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-81-301		G.A.of electrics.....		RF
-1	BH-81-903		Box assy.trim scale light(Mod.92).....		1
-1A	BH-81-431		. Tray.....		1
-1B	MK3000-06		. Nut,anchor.....		2
-2	BH-81-911		. Support,lamp.....		1
-3	BH-81-437		. Scale,elevator trim.....		1
			Attaching parts		
-4	A204-A10		Screw,4-40 UNC.....		2
-4A	SP124-A		Washer.....		2
-4B	H10-04		Nut(Kaylock).....		2
-5	MBC/M6		. Holder,lamp(Bulgin)(Mod.92).....		1
-5A	BH-81-435		. Shield.....		1
-6	SS311-5-C		. 'P'clip,flanged.....		1
-7	Type 313R		. Filament(G.E.)(Mod.92).....		1
-8	BH-81-257		Floodlight and courtesy light installation (Pre-Mod.211)		RF
-8A	BH-81-1035		Floodlight and courtesy light installation(Mod.211)..		RF
-9	BH-81-261		. Cover,lamp(Pre-Mod.211).....		1
-9A	BH-81-1071		. Cover,lamp(Mod.211).....		1
-10	BE-81-11115		. Switch,side toggle(Pre-Mod.211).....		1
-10A	1600-12E		. Switch(Arrow)(Mod.211).....		1
-11	MBC193/6		. Holder,filament(Bulgin).....		1
			Alternative		
	MBC193/M6		. Holder,filament(Bulgin).....		1
-12	GE-1495		. Filament(General Electric).....		1
			Attaching parts		
-13	SNR2227		Nut,clip(Spire)(Pre-Mod.211).....		2
-14	4262x3/8xNo.4		Screw(G.K.N)(Pre-Mod.211).....		2
-15	SNJ1198/4		Nut,clip(Spire speed SCW).....		1
-16	4261x3/8xNo.6		Screw(G.K.N).....		1
-17	15-0007-1		. Floodlight(Grimes)(Pre-Mod.156).....		1
-17A	BH-81-979		. Floodlight assy.(Mod.156).....		1
-17B	BH-81-981		.. Socket(Mod.156)(Make from Thorn Pt.No.03-0222)....		1
	-		.. Floodlight(Retained from floodlight assy.15-0007-1).....		1
#-17C	RA23		. Disconnect(Ross Courtney).....		1
-18	BH-81-369		. Angle.....		1
-19	BH-81-371		. Plate.....		1
-20	SP71-303		. Grommet.....		1
-21	BH-81-370		. Angle.....		1
			Attaching parts		
-22	MK1000-08		Nut,anchor(Kaylock).....		6

Item not illustrated

Lighting Equipment
Internal Lighting

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
-23	Al16-1C						Bolt, 8-32UNC.....		6
-24	-						Centre instrument panel assy.(Chap.28-2, Fig.1).....		RF
-25	80/10-1594						. Light, pillar, clear grey(Thorn)(Pre-Mod.185).		15
	01-0498						. Light, pillar, clear grey(Thorn)(Mod.185).....		15
-26	L-1004						. Filament(Thorn).....		15
-27	UM00818/D/10						. Block, terminal(United Moulders).....		1
-28	BH-81-633						. Panel assy.starter(Chap.55-1, Fig.3).....		RF
-29	01-0080/GT-DT						Switch, dimmer concentric(Thorn).....		1
-29A	K180-1						Knob(Thorn).....		1
-29B	K181-1						Knob(Thorn).....		1
-30	BH-81-383						Installation of circuit breaker and heater panel lights.....		RF
							(Pre-Mod.185)		
	BH-81-1031						Installation of circuit breaker and heater panel lights(Mod.185).....		RF
31	80/10/1594						. Light, pillar, clear grey(Thorn)(Pre-Mod.185).....		5
	01-0498						. Light, pillar, clear grey(Thorn)(Mod.185).....		5
-32	L-1004						. Filament(Thorn).....		5
-33	-						Panel assy.fixed port(Chap.28-2, fig 1).....		RF
-34	80-10-1594						. Light, pillar, clear grey(Thorn)(Pre-Mod.185).....		2
	01-0498						. Light, pillar, clear grey(Thorn)(Mod.185).....		2
-35	L-1004						. Filament(Thorn).....		2

Chapter 60
RADIO COMMUNICATIONS

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Radio and aerial installations

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Chapter 60

RADIO COMMUNICATION

Section 1

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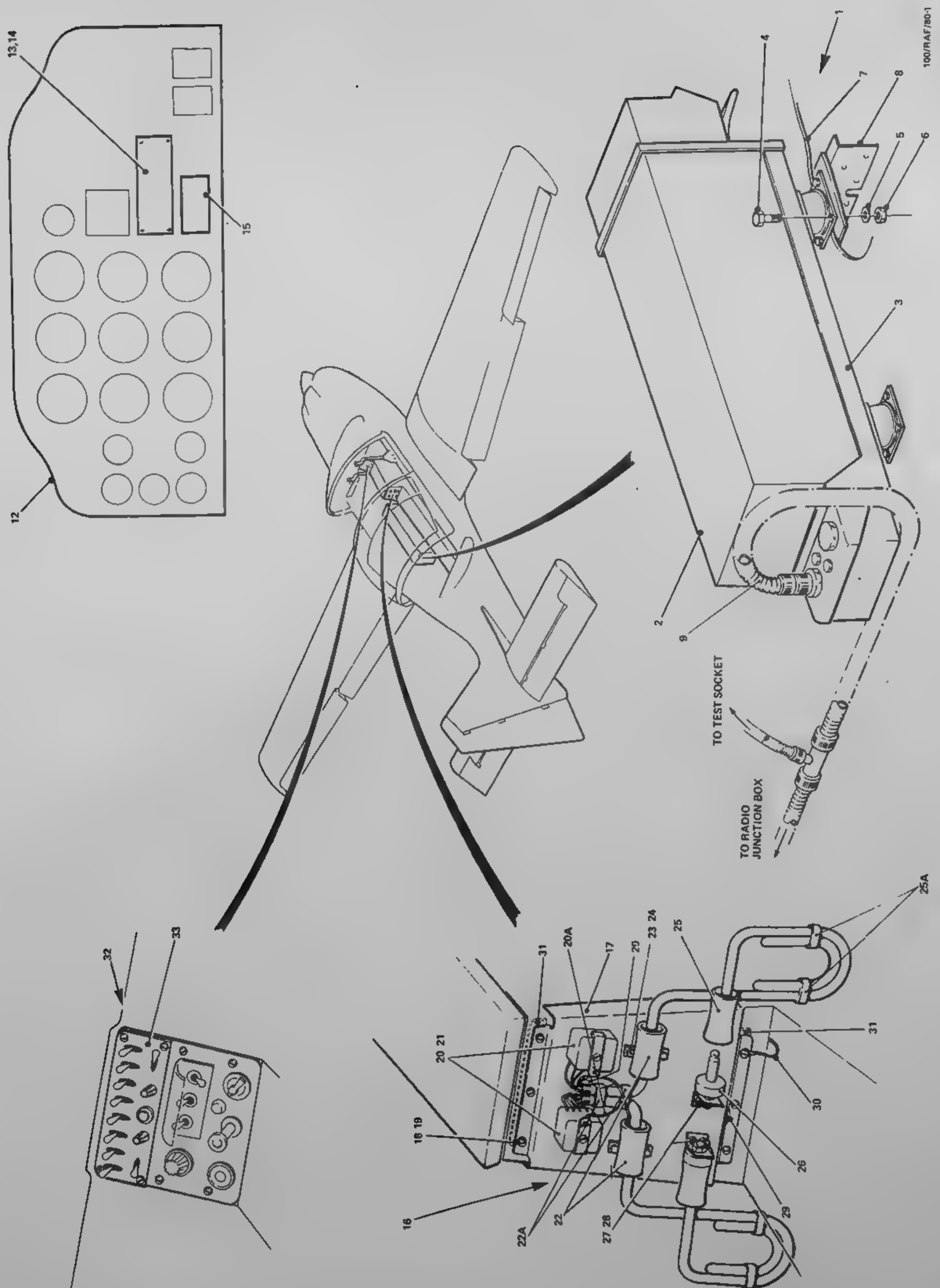
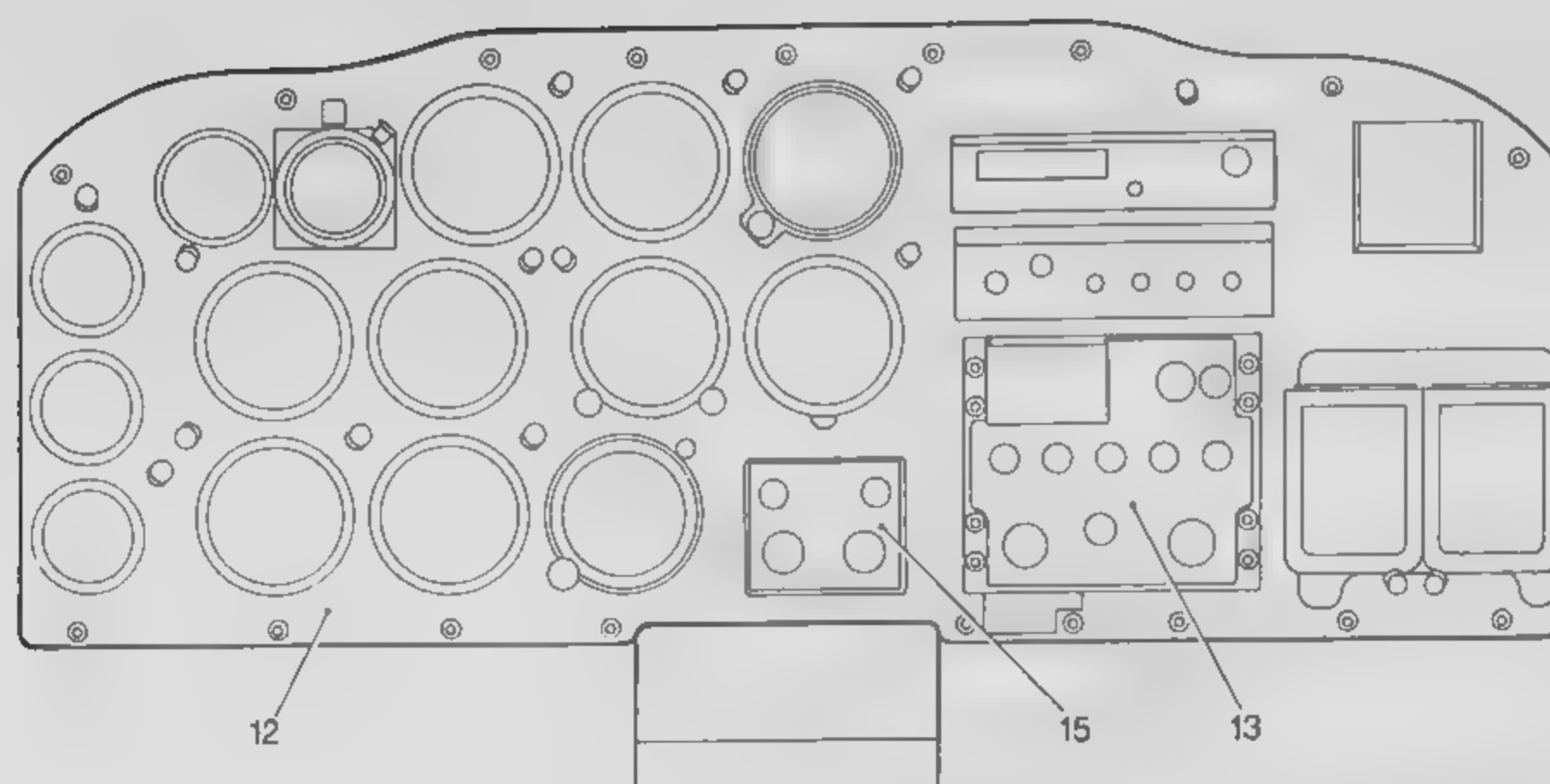
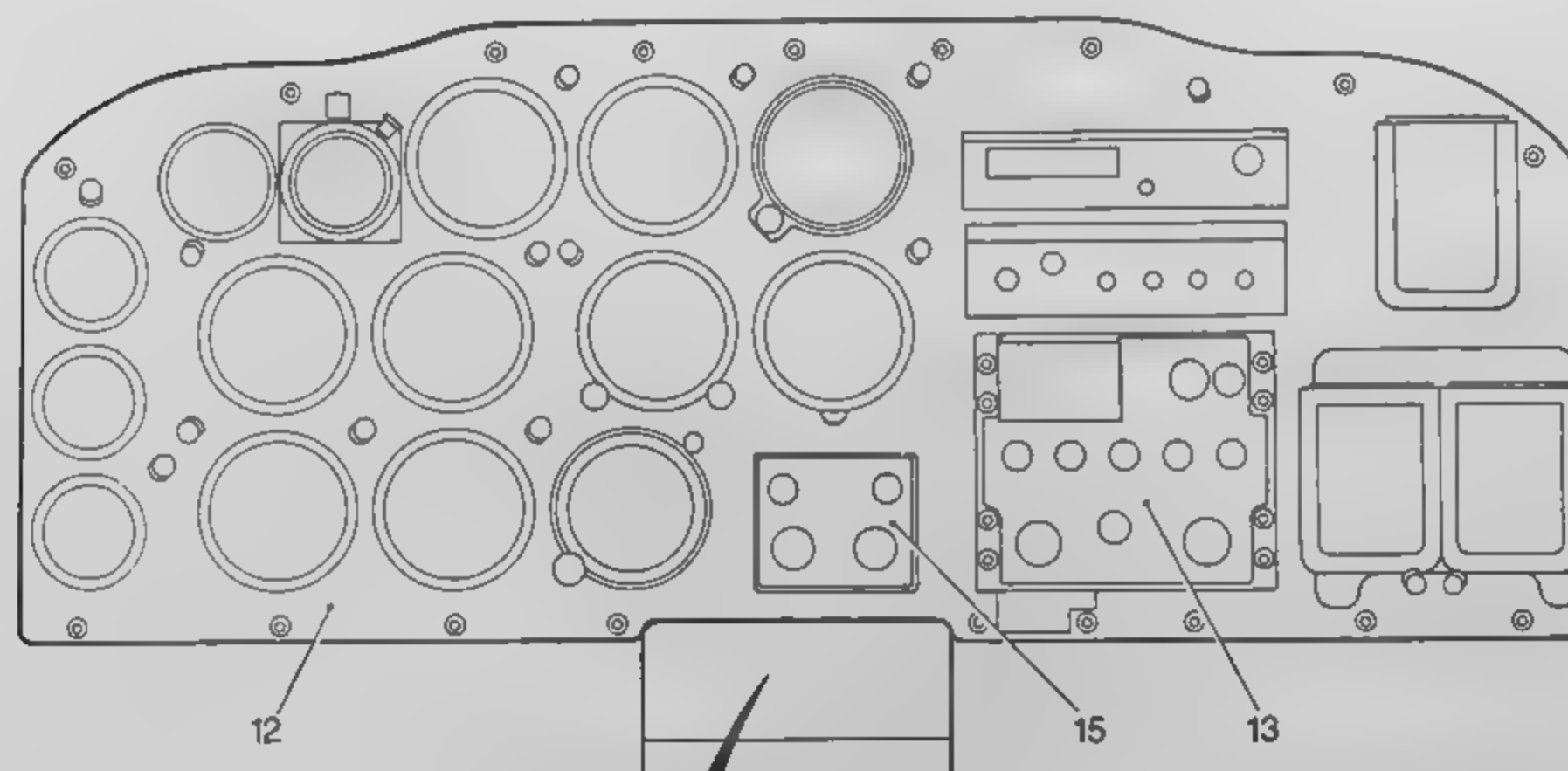


FIG 1 RADIO INSTALLATION

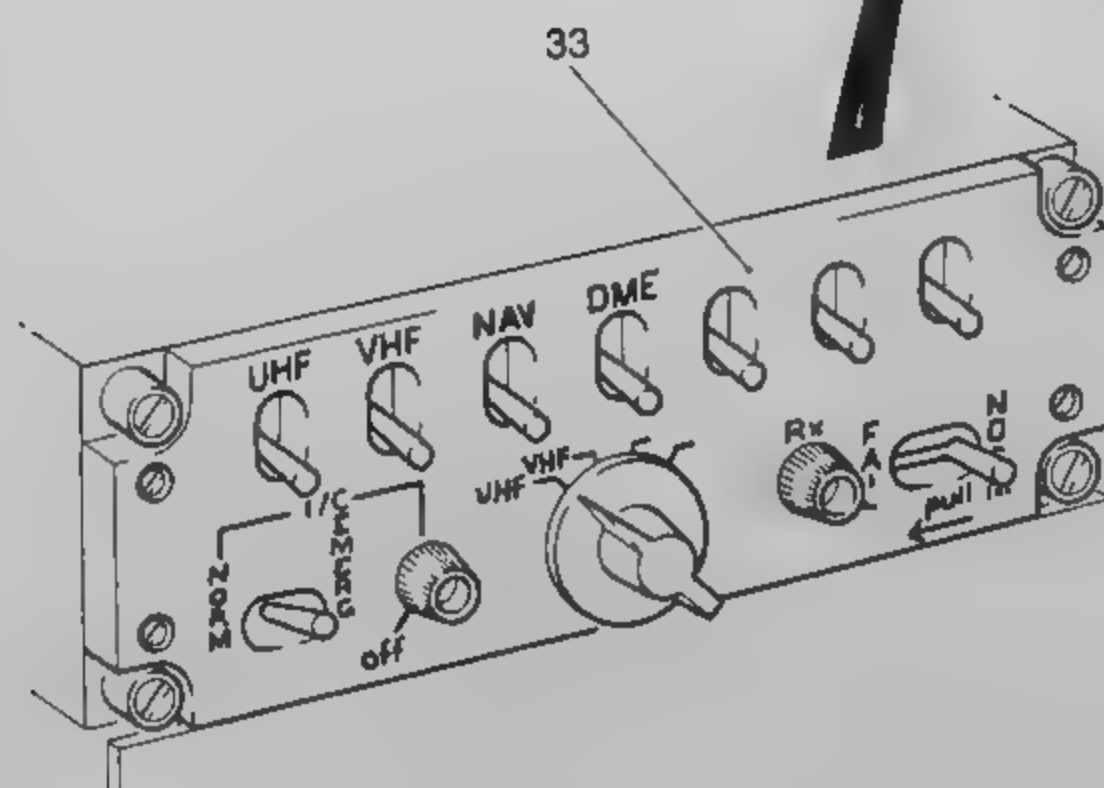
Supplementary page for MCE Mod 2002



PRE MCE MOD 2003



POST MCE MOD 2003



PRE AND POST MCE MOD 2003

Fig 1 Radio Installation

►MCE Mod 2003 embodied◄

Supplementary page for MCE Mod 2002

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
<u>DELETE</u>				
- 2	CP197031	.Transceiver (Plessey)		1
- 3	CP196860	.Tray, mounting (Plessey)		1
- 4	A102-2D	.Bolt, 10-32 UNF		16
- 5	SP126-D	.Washer		16
- 6	H-10-3	.Nut, stiff (Kaylock)		16
- 9	BH-82-765	.Loom assy, (Pre Mod 103)		1
	BH-82-1399	.Loom assy, (Mod 103)		
-12	BH-80-1187	Panel assy, instrument centre (Chap 28-2 Fig 1) (Mod 128)		RF
-13	P197242	.Unit, control, UHF (Chap 28-2, Fig 1)		RF
-14	A218-B14	.Screw, 6-32 UNC		4
-33	B691/19	.Box audio selector (S G Brown)		1
<u>INSERT</u>				
-12	M-R9-80-0011	GA of instrument panel complete (MCE) (Chap 28-2, Fig 1) (Pre MCE Mod 2003)		RF
	M-R9-80-0107/1	Instrument panel assy, centre (MCE) (Chap 28-2, Fig 1) (Post MCE Mod 2003)		RF
-13	RT-1167-H	.Transceiver, ARC 164 (Chap 28-2, Fig 1)		RF
-33	B691/19MOD2	.Box audio selector (S G Brown) (Ref 10D 5831-99-6264727) (Chap 55-1, Fig 3)		1

+ Item not illustrated

Radio Communications
Radio Installation

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
	1-	BH-82-743	G. A. of Radio installation (Mod 54, 65, 74, 93 and 128).....		RF
R	-1	BH-82-1689	Installation of transceiver (PTR170).....		RF
	-2	CP197031	. Transceiver (Plessey)		1
	-3	CP196860	. Tray, mounting (Plessey)		1
	-4	A102-2D	. Bolt, 10-32 UNF.....		16
	-5	SP126-D	. Washer.....		16
	-6	H-10-3	. Nut, stiff (Keylock)		16
R	-7	BH-10-4035	. Panel assy, floor port (trimmed) (Chap. 15-6 Fig. 1).....		RF
R	-7A†	BH-10-4029	. Aft, top packer		1
R	-7B†	BH-10-4031	. Fwd., top packer		1
	-8	BH-10-3127	. Bracket (Chap. 15-2, Fig. 2)		RF
	-9	BH-82-765	. Loom assy. (Pre-Mod 103)		1
		BH-82-1399	. Loom assy. (Mod 103)		1
	-10)	Not used			
	-11)	Not used			
	-12	BH-80-1187	Panel assy, instrument centre (Chap. 28-2 Fig. 1) (Mod. 128)		RF
	-13	P197242	. Unit, control, UHF (Chap. 28-2 Fig. 1).....		RF
	-14	A218-B14	. Screw, 6-32 UNC		4
	-15	4000401-4013	. Unit, radio communications, VHF (Chap. 28-2, Fig. 1) (Mod. 128)		RF
	-16	BH-82-795	Installation of Mic/Tel jack and peg stowages (Pre-Mod. 152).....		RF
	-16A	BH-82-1491	Installation of Mic/Tel jack and peg stowages (Mod. 152)		RF
	-17	BH-82-795/1	. Bracket.....		1
	-18	A113-1/2C	. Bolt, 8-32 UNC		6
	-19	SP126-C	. Washer.....		6
	-20	1240	. Block, terminal, 2 way (Ref. 5CZ/1053794)		2
	-20A		. Thread black (Ref., 22C/1370562) (Mod. 152).....		A/R
	-21	A220-A20	. Screw, 4-40 UNC		2
	-22	WTB118420	. Fairlead (Ref. 10AR/4308190)		2
	-22A		. Tyrap (Ref. 5K/1126909) (Mod. 152).....		2
	-23	A102-1/2B	. Bolt, 6-32 UNC		2
	-24	SP126-B	. Washer.....		2
	-25	WTB118419/1	. Socket, jack (Ref. 10-HA/9514242).....		2
	-25A		. Tyrap (Ref. 10AS/9333089) (Mod. 152)		4
	-26	WTB118413/1	. Pag, stowage (Ref. 10AR/10528505)		2
	-27	3A102-1B	. Bolt, 6-32 UNC		2
	-28	SP126-B	. Washer.....		2
	-29	SP93-A8	. Grommet		2
	-30	AS3360-C6C	. Flex, Bonding		1
	-31	BH-82-795/2	. Plate, backing.....		2
	-32	BH-81-643	Installation of starter panel and audio box (Chap. 55-1 Fig. 3).....		RF
	-33	B691/19	. Box audio selector (S. G. Brown).....		1

† Item not illustrated

120SM391A

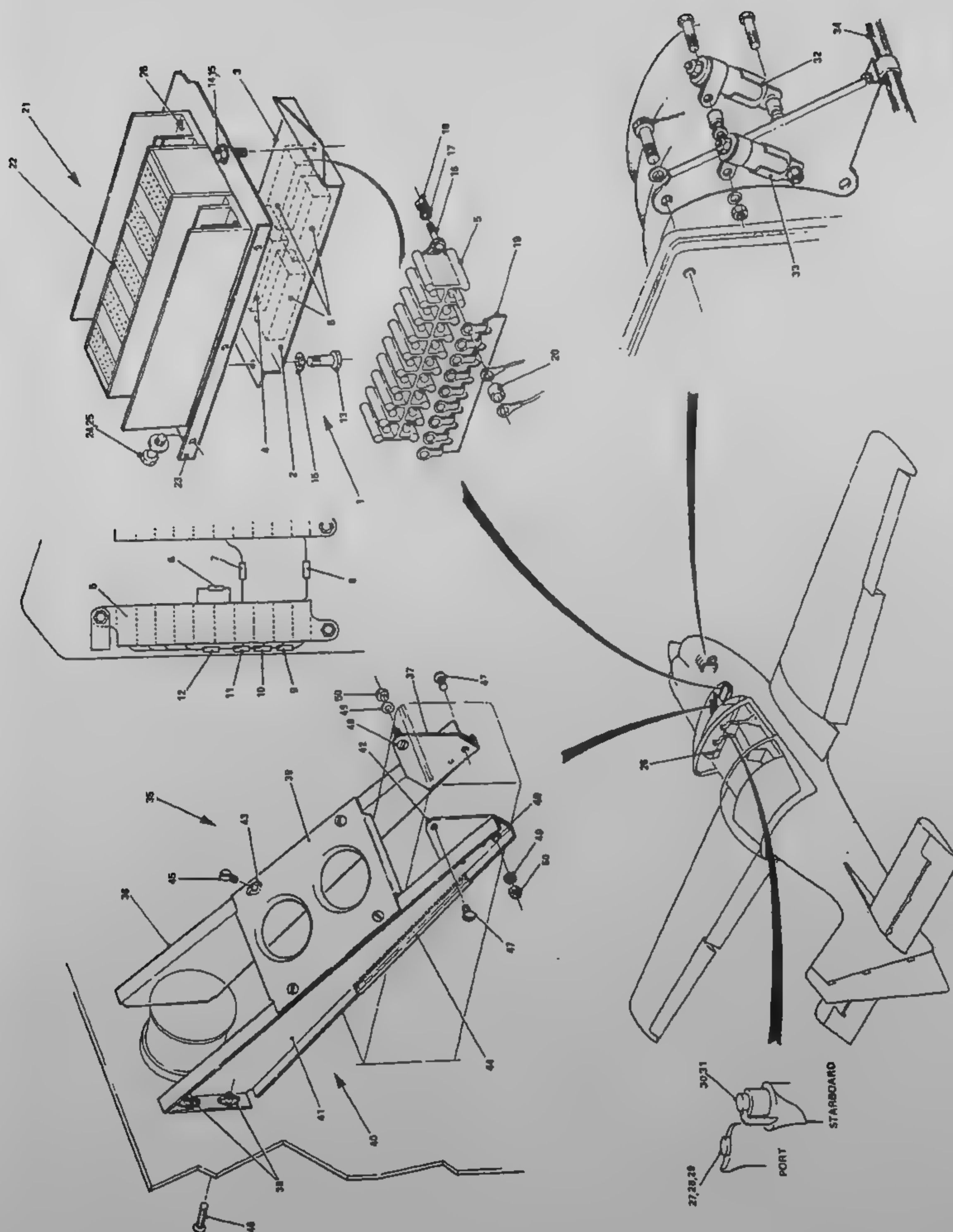


Fig. 2 Internal Trim

Supplementary page for MCE Mod 2002

Radio Communications
Radio Installation

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

DELETE

-7	14114E	..Resistor 39 ohms 1/2 W 2% (I.T.T.)		1
-8	14130E	..Resistor 180 ohms 1/2 W 2% (I.T.T.)		1
-9	14136D	..Resistor 330 ohms 1/2 W 2% (I.T.T.)		1
-10		..Resistor 1K1 1/4W (Welwyn) (Ref. 5905-99-0136177)		1
-12	14102B	..Resistor 12 ohm 1/2 W 2% (I.T.T.)		1

Fig & Index	Part No.	Nomenclature	Usage Code	Units per Assy.
		1 2 3 4 5 6		
1A-1	BH-82-791	Installation of radio junction box.....		RF
-2	BH-82-1207	. Panel assy (Mod.54).....		1
-3	BH-10-3001	. . Bracket, mounting.....		1
-4	UM48D10B	. . Block, terminal double (United Moulders).....		1
-5	UM48S10B	. . Block, terminal single (United Moulders).....		3
-6	16230R	. . Resistor Type TR8 4.7 2W (I.T.T.).....		1
-7	14114E	. . Resistor 39 ohms ½ W 2% (I.T.T.).....		1
-8	14130E	. . Resistor 180 ohms ½ W 2% (I.T.T.).....		1
-9	14136D	. . Resistor 330 ohms ½ W 2% (I.T.T.).....		1
-10		. . Resistor 1k1 1/4W (WELWYN)(Ref 5905-99-0136177).		1
-11	14128D	. . Resistor 150 ohms ½ W 2% (I.T.T.).....		1
-12	14102B	. . Resistor 12 ohms ½ W 2% (I.T.T.).....		1
-13	A102-1/2C	. Bolt, 8-32 UNC.....		2
-14	A102-1C	. Bolt, 8-32 UNC.....		1
-15	SP126-C	. Washer.....		3
-16	A113-1B	. Bolt, 6-32 UNC.....		8
-17	SP126-B	. Washer.....		8
-18	H-10-06	. Nut, stiff.....		8
-19	UM48-60	. Strip, earth (United Moulders).....		1
-20	UM48-71	. Spacer (United Moulders).....		20
-21	BH-82-745	Installation of power supply unit.....		RF
-22	PS243/A	. Unit, power supply (Bendix).....		1
-23	BH-10-2997	. Plate, mounting.....		1
-24	A102-1/2C	. Bolt 8-32 UNC.....		3
-25	SP126C	. Washer.....		3
-26	A116-2B	. Bolt, 6-32 UNC.....		4
-27	BH-45-127	Control column assy. port (Chap 19-1, Fig. 1).....		RF
-28	8N1021	. Switch, PTT (Mod 74)(Honeywell).....		1
-29	8Z0083	. Button, switch, PTT (Mod.74)(Honeywell).....		2
R -30	BH-45-925	Control column assy, stbd (Pre-Mod 265)(Chap.19-1 Fig.1).		RF
R -31	BH45-1145	Control column assy, stbd (Mod 265) (Chap.19-1 Fig.1).....		RF
-32	C9500-12-16	. Switch 3 way (Page).....		1
-33	BH-82-781	. Capacitor, radio.....		1
-34	BE-81-20209	. Capacitor, electrics.....		1
-35	BH-47-031	. Cable, Induction heat (Chap.40-2 Fig. 1).....		RF
-36	BH-80-1095H	. Strut assy (L/H)(Mod 65).....		1
-37	BH-80-1095B	. . Strut.....		1
-38	BH-80-1095E	. . Plate.....		1
-39	A141-B77	. . Nut, anchor.....		4
-40	BH-80-1095C	. Plate, flanged (Mod 65).....		1
-41	BH-80-1095G	. Strut assy (R/H)(Mod 65).....		1
-42	BH-80-1095A	. . Strut.....		1
-43	BH-80-1095D	. . Plate.....		1
-44	A141-B77	. . Nut, anchor.....		4
-45	G51P/A	. . "Flexiform" 5in. long (Hellermann).....		1
-46	A221-B12	Attaching parts		
-47	A220-B12	Bolt.....		4
-48	A217-A6	Screw.....		4
-49	A204-A12	Screw.....		2
-50	SP122-B	Screw.....		2
-51#	TY24M	Washer.....		2
		Nut.....		2
		. Tyrar (Thomas & Betts).....		A/R

For Items with E.C.U. see AP101B-0102-3A, Chap.1

Item not illustrated

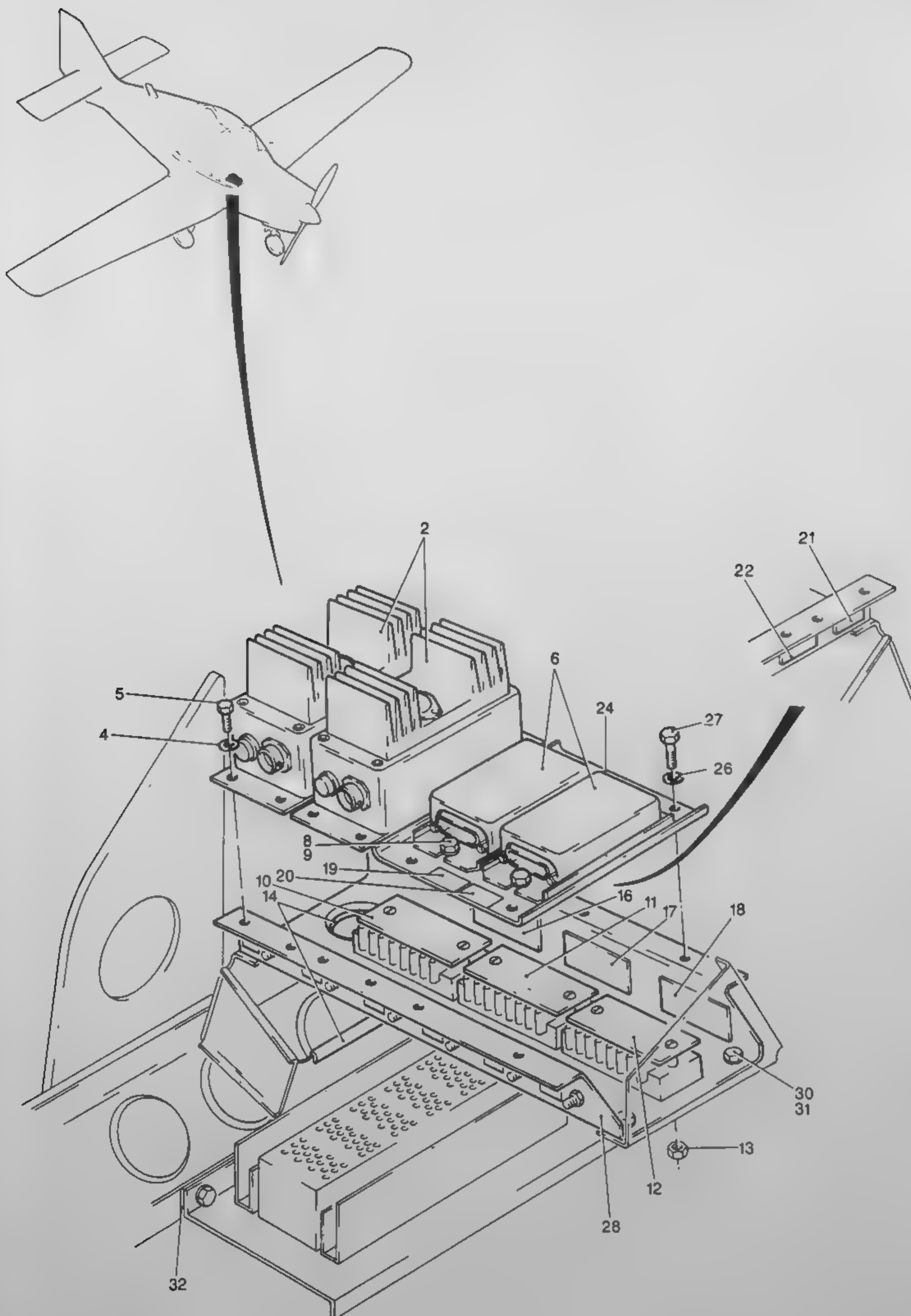


Fig. 1B Installation of Avionic Equipment

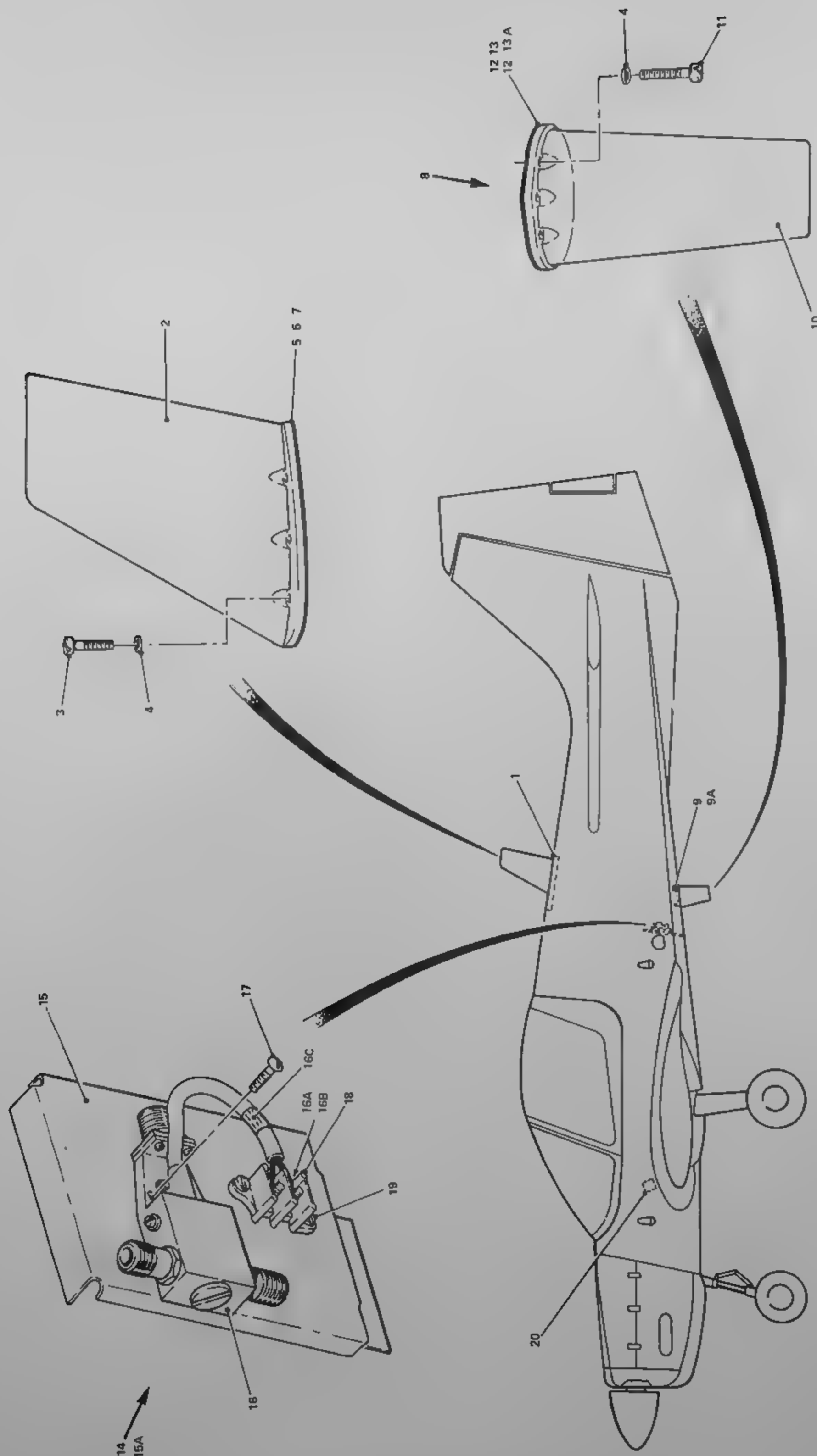
Radio Communications
Installation of Avionic Equipment

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		

INSERT

1B-1+	M-R9-83-0001	Installation of misc. avionic equipment		RF
-2	ASH0012BA	.Power supply (Ash) (Ref. 10ZZ/0470827)		2
-3+	MK1000-06	.Nut, anchor		8
-4	SP124-B	.Washer		8
-5	A102-1B	.Bolt, 6 UNC		8
-6	A691/5	.Amplifier (Ref. 10U/6252080)		2
-7+	MF1000-3	.Nut, anchor (Kaylock)		6
-8	SP124/D	.Washer		6
-9	A102-1D	.Bolt, 10 UNF		6
-10	T694/116	.Audio balance unit		1
-11	T694/117	.Audio balance unit		1
-12	T694/118	.Audio balance unit		1
-13	PAN3056M04	.Nut		6
-14	MS21266-1N	.Grommet, plastic edging		A/R
-15+	RTV732	.Adhesive, silicone (Dow Corning Ltd)		A/R
-16	M-R9-83-0015/2	.Label, T694/116 Audio Balance Unit MYA 9 (MCE)		1
-17	M-R9-83-0015/3	.Label, T694/117 Audio Balance Unit MYA 10 (MCE)		1
-18	M-R9-83-0015/4	.Label, T694/118 Audio Balance Unit MYA 11 (MCE)		1
-19	M-R9-83-0015/5	.Label, VHF pre-amp MYA 7 (MCE)		1
-20	M-R9-83-0015/6	.Label, UHF pre-amp MYA 8 (MCE)		1
-21	M-R9-83-0015/7	.Label, Transponder Power Supply MYPS 1 (MCE)		1
-22	M-R9-83-0015/8	.Label, VHF Nav Power Supply MYPS 2 (MCE)		1

+ Item not illustrated



Radio Communications
Aerial Installation

Fig & Index	Part No.	Nomenclature						Usage Code	Units per Assy.
		1	2	3	4	5	6		
2-	BH-82-759	Installation of VHF/UHF aerial.....							RF
-1	BH-10-2499	. Member, support, sub-assy (Chap.15-5 Fig.5).....							RF
-2	10-106-2	. Aerial (H.R. Smith).....							1
-3	A116-5D	. Bolt, 10-32 UNF.....							6
-4	SP124-D	. Washer.....							6
-5	10-500-11-6	. Gasket, sealing (H.R. Smith).....							1
-6	10-500-11A	. Compound, sealing (H.R. Smith).....							A/R
-7	10-500-11B	. Activator, compound sealing (H.R. Smith).....							A/R
-8	BH-82-875	Installation of lower UHF aerial (Mod 40).....							RF
-9	BH-82-879	. Channel assy.....							1
-9A	BH-10-3615	. Cleat (Mod.119).....							2
-10	Type 16-1	. Aerial - UHF (Chelton).....							1
-11	A113-3D	. Bolt, 10-32 UNF.....							6
-12	6390/16-1	. Gasket, sealing (Chelton) (Alternative is 10AL/6407782) (Pre-Mod 109)							1
-12A	10-500-11A/B	. Gasket, sealing pack (Mod 109).....							1
-13	PR1422	. Compound, sealing (Pre-Mod 109).....							A/R
-13A	MS4	. Silicone grease (Mod.109).....							A/R
-14	BH-82-887	Installation of aerial relay and T/B.....							RF
-15	BH-82-887A	. Bracket assy.....							1
-15A	BH-82-1211	. Relay assy, aerial.....							1
-16	A05/1	. . Unit, relay.....							1
-16A	150141	. . Tag, terminal (Amp).....							1
-16B	T15	. . Marker, sleeve (Hellermann).....							1
-16C	P55	. . Sleeve, destination (Hellermann).....							1
-17	A113-6C	. Screw, 8-32 UNC.....							2
-18	UM48/S/2	. Block, terminal (United Moulders).....							1
-19	A113-1B	. Screw.....							2
-20	BH-82-743A	. Panel assy, circuit breaker (Chap 55-1 Fig.3).....							RF
# -21	BH-82-1213	. . Plate, blanking, lower aerial.....							1
# -22	A113-1/2D	. . Bolt, 10-32 UNF.....							6
# -23	SP127-D	. . Washer.....							6

Item not included

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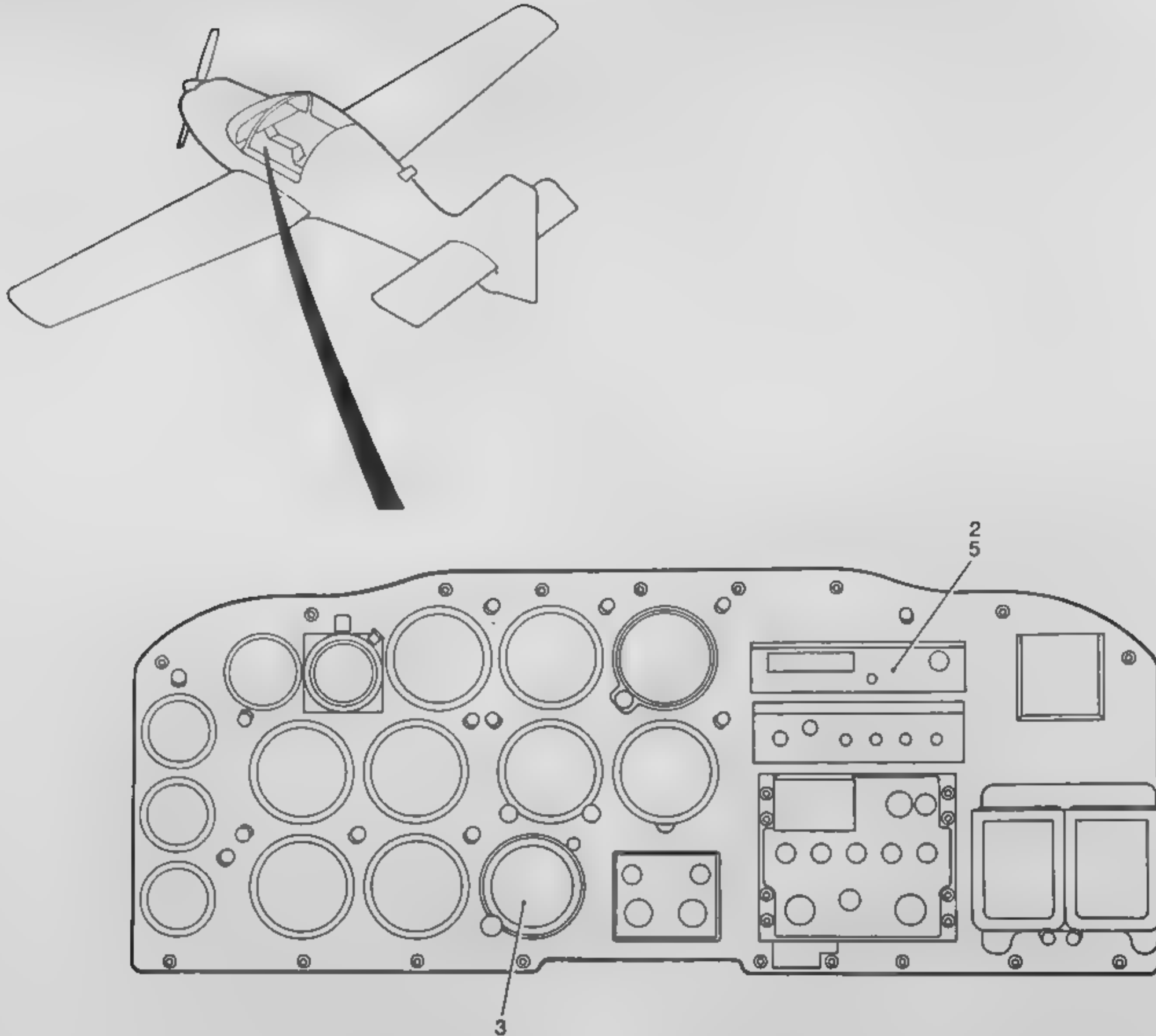
RADIO/RADAR LANDING AIDS

SECTION 1

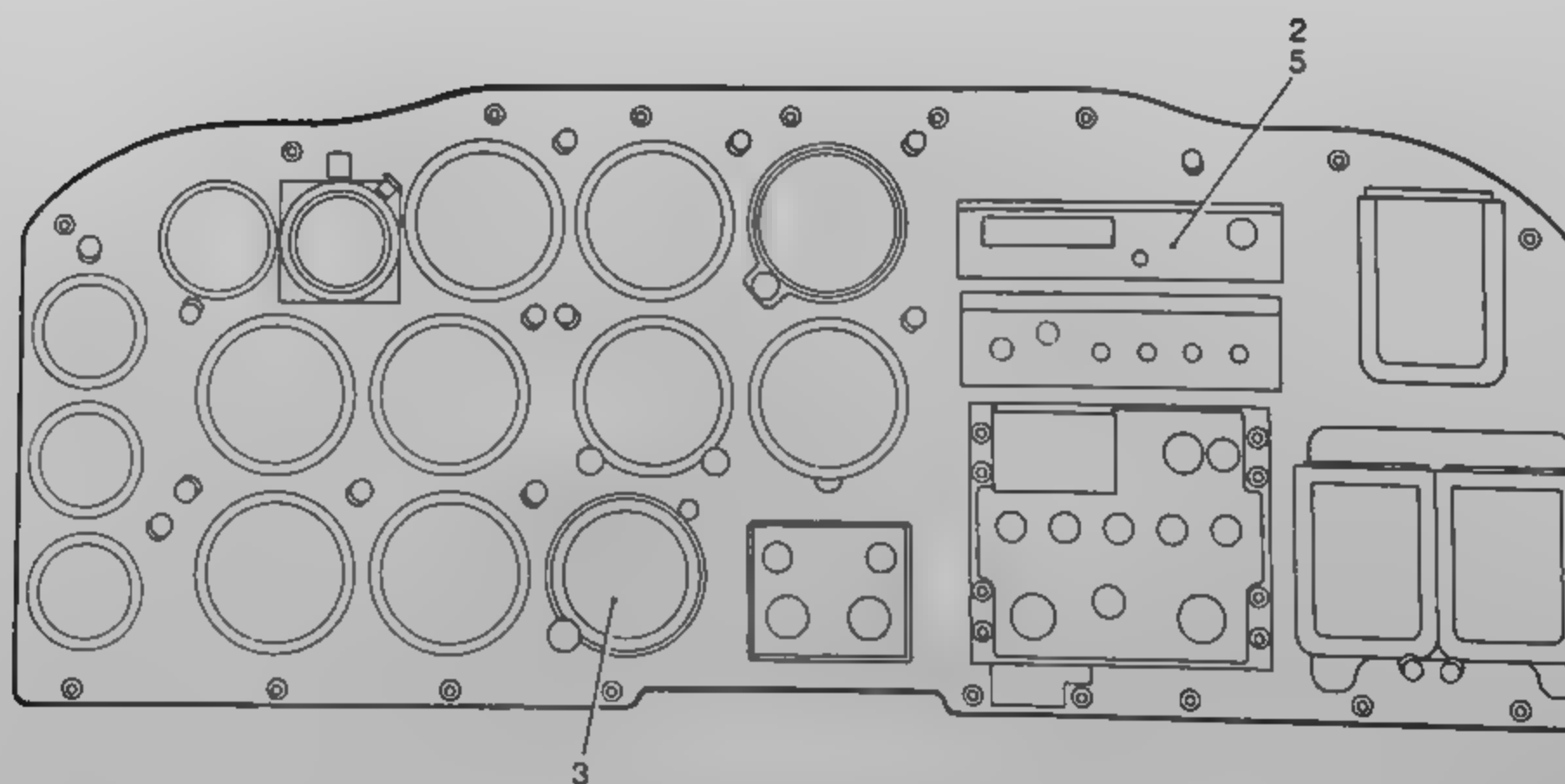
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Supplementary page for MCE Mod 2002



PRE MCE MOD 2003



POST MCE MOD 2003

Fig 1 Landing Aids Installation

►MCE Mod 2003 embodied◄

Supplementary page for MCE Mod 2002

General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
<u>INSERT</u>				
▶ 1- 1+	M-R9-80-0011	GA of instrument panel complete (MCE) (Chap 28-2, Fig 1) (Pre MCE Mod 2003)		RF
	M-R9-80-0107/1	Instrument panel assy, centre (MCE) (Chap 28-2, Fig 1) (Post MCE Mod 2003)		RF
- 2	825-03115-0303	.VOR/ILS Receiver (NARCO) (Ref 10ZZ/0470959) (Chap 28-2, Fig 1)		RF
- 3	IDME891	.Indicator, VOR/ILS (Ref 10ZZ/0470960) (Chap 28-2, Fig 1)		RF
▶ - 4+	M-R9-80-0025	.Instrument panel wired (MCE) (Chap 28-2, Fig 1) (Pre MCE Mod 2004)		RF
	M-R9-80-0111/1	.Instrument panel wired (Chap 28-2, Fig 1) (Post MCE Mod 2004)		RF
- 5	01372-0102	..Tray, mounting, NAV825 (NARCO) (Ref 10ZZ/0470962) (Chap 28-2, Fig 1)		RF

+ Item not illustrated

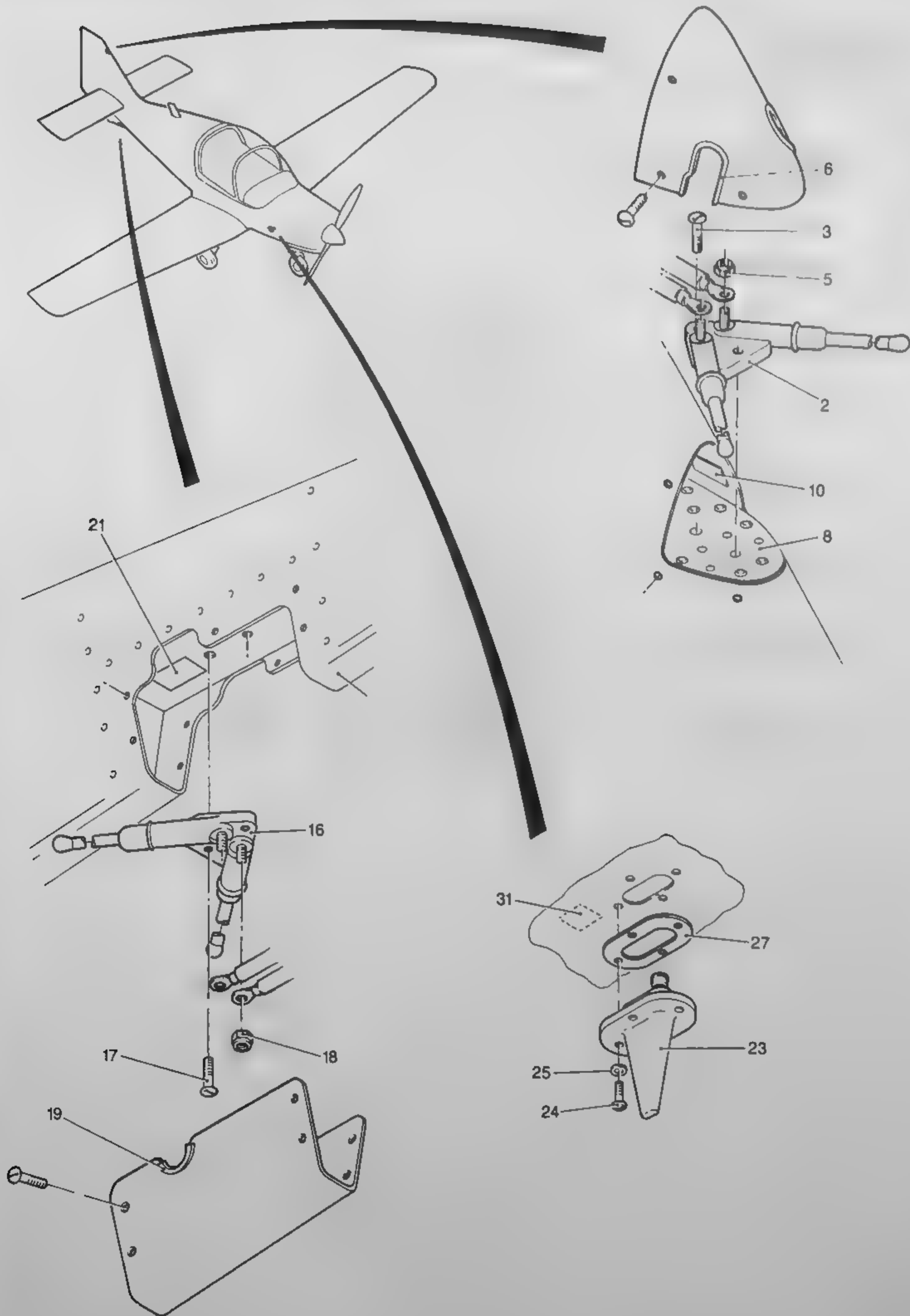


Fig. 2 Aerial Installation

Supplementary page for MCE Mod 2002

Radio/Radar Landing Aids
Aerial Installation

Fig & Index	Part No.	123456	Nomenclature	Usage Code	Units per Assy
<u>INSERT</u>					
2	-1+	M-R9-32-0001	Installation of VOR/LOC antenna		RF
	-2	10-202-1	.Antenna (H.R. Smith) (Ref. 10B/7326608)		1
	-3	A113-4D	.Screw		2
	-4+	MS21075-L3	.Nut, anchor		2
	-5	A126-D66	.Nut, stiff		2
	-6+	MS21266-1N	.Grommet		A/R
	-7+	RTV732	.Adhesive, white (Dow Corning)		A/R
	-8	M-R9-32-0001/4	.Packer (MCE)		1
	-9+	PR1422	.Compound, sealing		A/R
	-10	M-R9-83-0015/14	.Label, VOR/LOC antenna MYE 4 (MCE)		1
	-11+	HL77-6	.Collar (Hi-Shear)		1
	-12+	HL22-6-3	.Pin (Hi-Shear)		1
	-13+	HL77-5	.Collar (Hi-Shear)		6
	-14+	HL22-5-3	.Pin (Hi-Shear)		6
	-15+	M-R9-42-0001	Installation of glidescope antenna (Chap 15-5 Fig. 5)		RF
	-16	10-224-1	.Antenna (H.R. Smith)		1
	-17	A113-4D	.Screw		2
	-18	A126-D66	.Nut, stiff		2
	-19+	MS21266-1N	.Grommet		A/R
	-20+	RTV732	.Adhesive, white (Dow Corning)		A/R
	-21	M-R9-83-0015/13	.Label, glidescope antenna MYE 3 (MCE)		1
	-22+	M-R9-10-0005	Installation of SSR/IDME antenna (Chap 15-1 Fig. 3)		RF
	-23	10-215-1	.Antenna IDME (H.R. Smith) (Ref. 10B-5895-99-1420799)		1
	-24	A113-2D	.Screw, No.10		4
	-25	SP124-D	.Washer		4
	-26+	MF1000-3	.Nut, anchor No.10		4
	-27	10-500-11-1	.Gasket, ground (H.R. Smith)		1
	-28+	10-500-11A	.Compound, sealing (H.R. Smith)		A/R
	-29+	10-500-11B	.Activator, compound, sealing (H.R. Smith)		A/R
	-30+	MS4	.Grease, silicone		A/R
	-31	M-R9-83-0015/12	.Label, DME Antenna MYE 2 (MCE)		1

+ Item not illustrated

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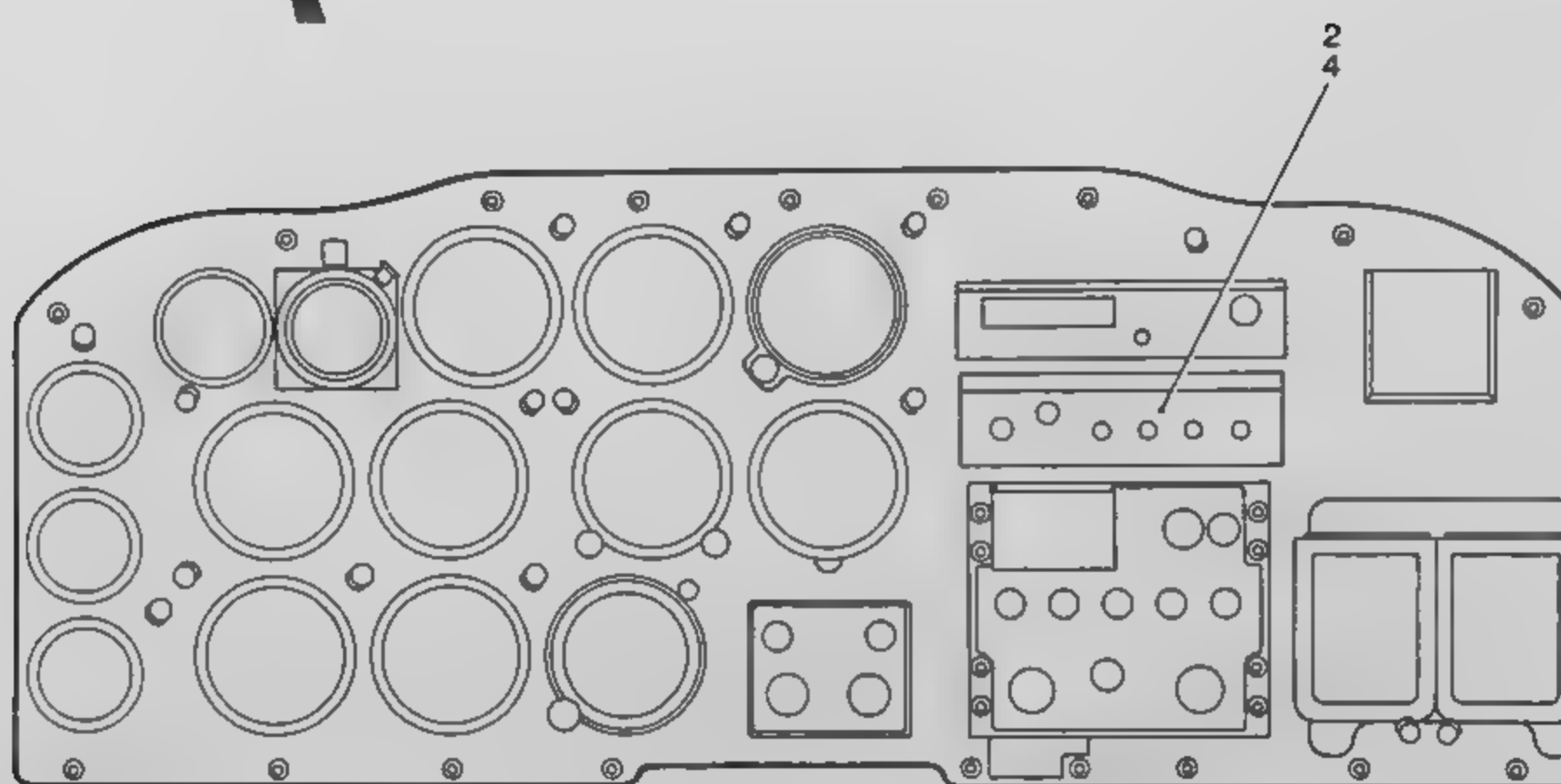
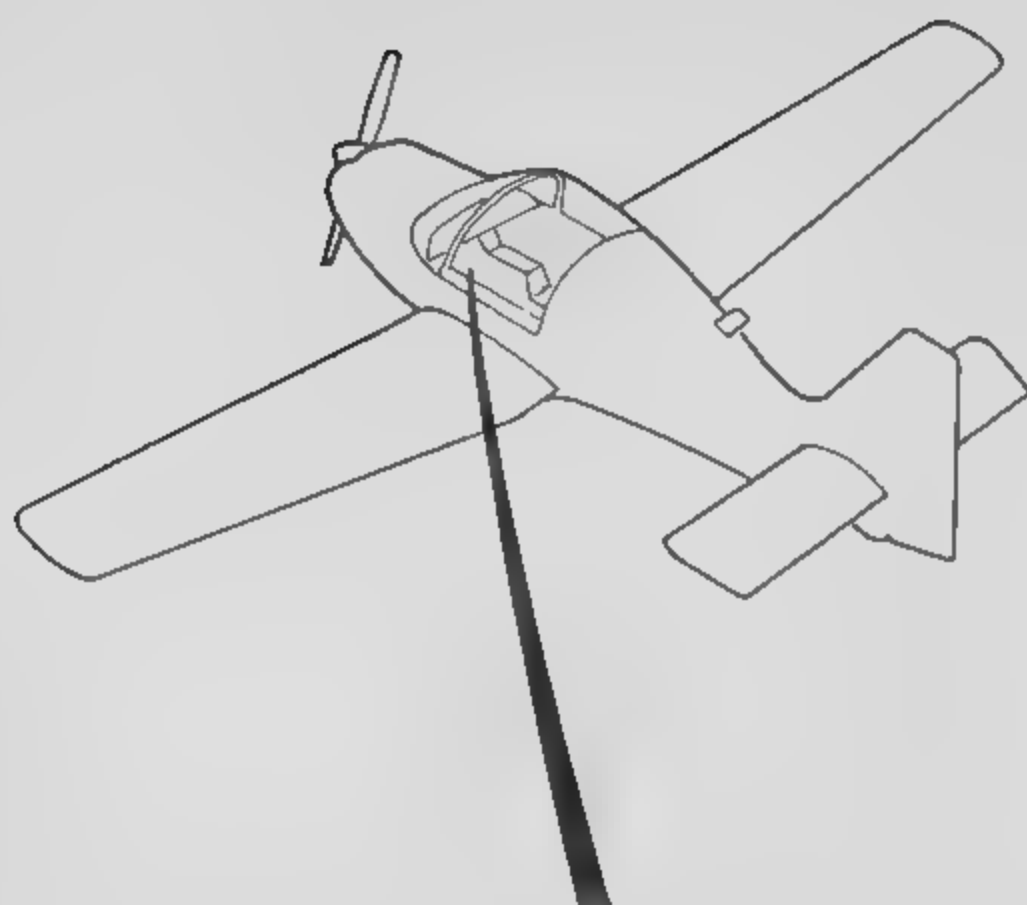
RADAR

SECTION 1

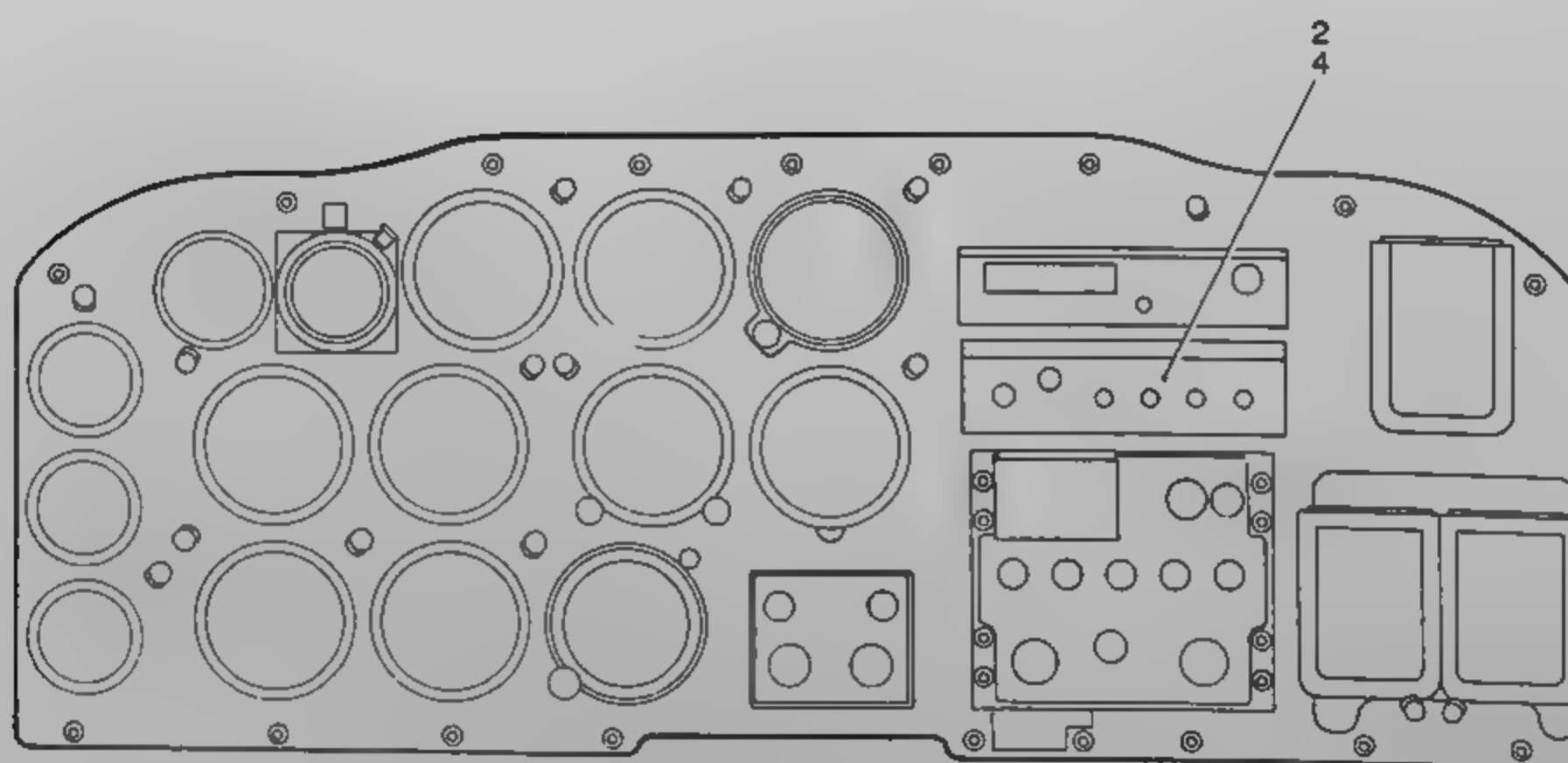
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PRE MCE MOD 2003



POST MCE MOD 2003

Fig 1 SSR Installation
►MCE Mod 2003 embodied◄

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General Instruments
Instrument Panel

Fig & Index	Part No.	Nomenclature 123456	Usage Code	Units per Assy
<u>INSERT</u>				
1- 1+	M-R9-80-0011	GA of instrument panel complete (MCE) (Chap 28-2, Fig 1) (Pre MCE Mod 2003)		RF
	M-R9-80-0107/1	Instrument panel assy, centre (MCE) (Chap 28-2, Fig 1) (Post MCE Mod 2003)		RF
- 2	AT150	.Transponder, SSR (Ref 10ZZ/0470825) (Chap 28-2, Fig 1)		RF
- 3+	M-R9-80-0025	.Instrument panel wired (MCE) (Chap 28-2, Fig 1) (Pre MCE Mod 2004)		RF
	M-R9-80-0111/1	.Instrument panel wired (Chap 28-2, Fig 1) (Post MCE Mod 2004)		RF
- 4		..Tray, mounting, transponder (Ref 10ZZ/0470826) (Chap 28-2, Fig 1)		RF

+ Item not illustrated

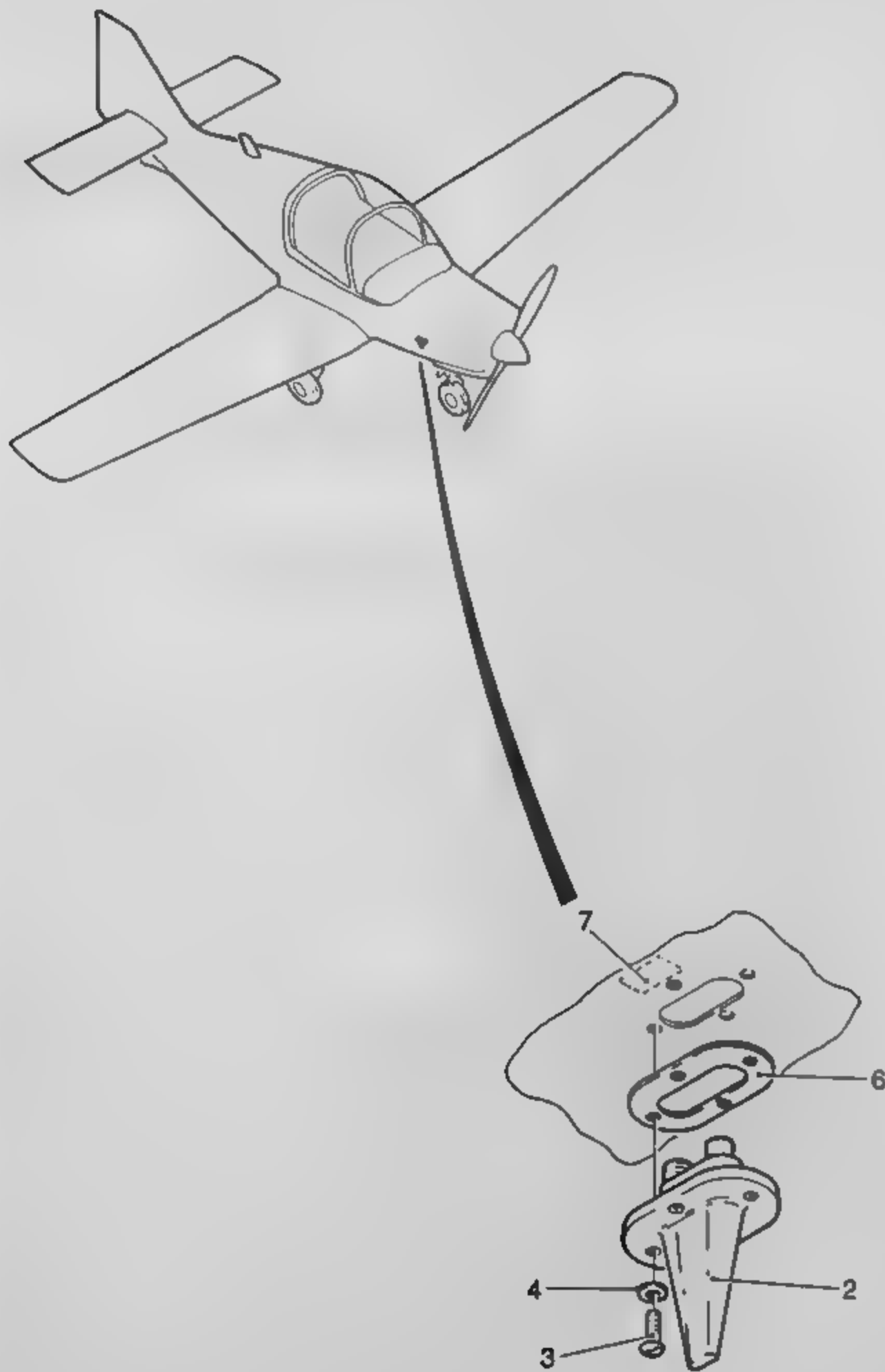


Fig. 2 Aerial Installation

Supplementary page for MCE Mod 2002

Radar
Aerial Installation

Fig. & Index	Part No	Nomenclature	Usage Code	Units per Assy.
		123456		
2 -1+	M-R9-10-0005	Installation of SSR/IDME antenna (Chap.15-1, Fig.3)		RF
-2	10-A-21	.Antenna, SSR (Chelton)		1
-3	A113-3D	.Screw, No. 10		4
-4	SP124-D	.Washer		4
-5+	MF1000-3	.Anchor nut, No. 10		4
-6	6930A/10A21	.Gasket, ground (Chelton)		1
-7	M-R9-83-0015/11	.Label, SSR Antenna MYE 1 (MCE)		1

+ Item not illustrated

Chapter 97

GROUND SERVICING EQUIPMENT

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Ground servicing equipment

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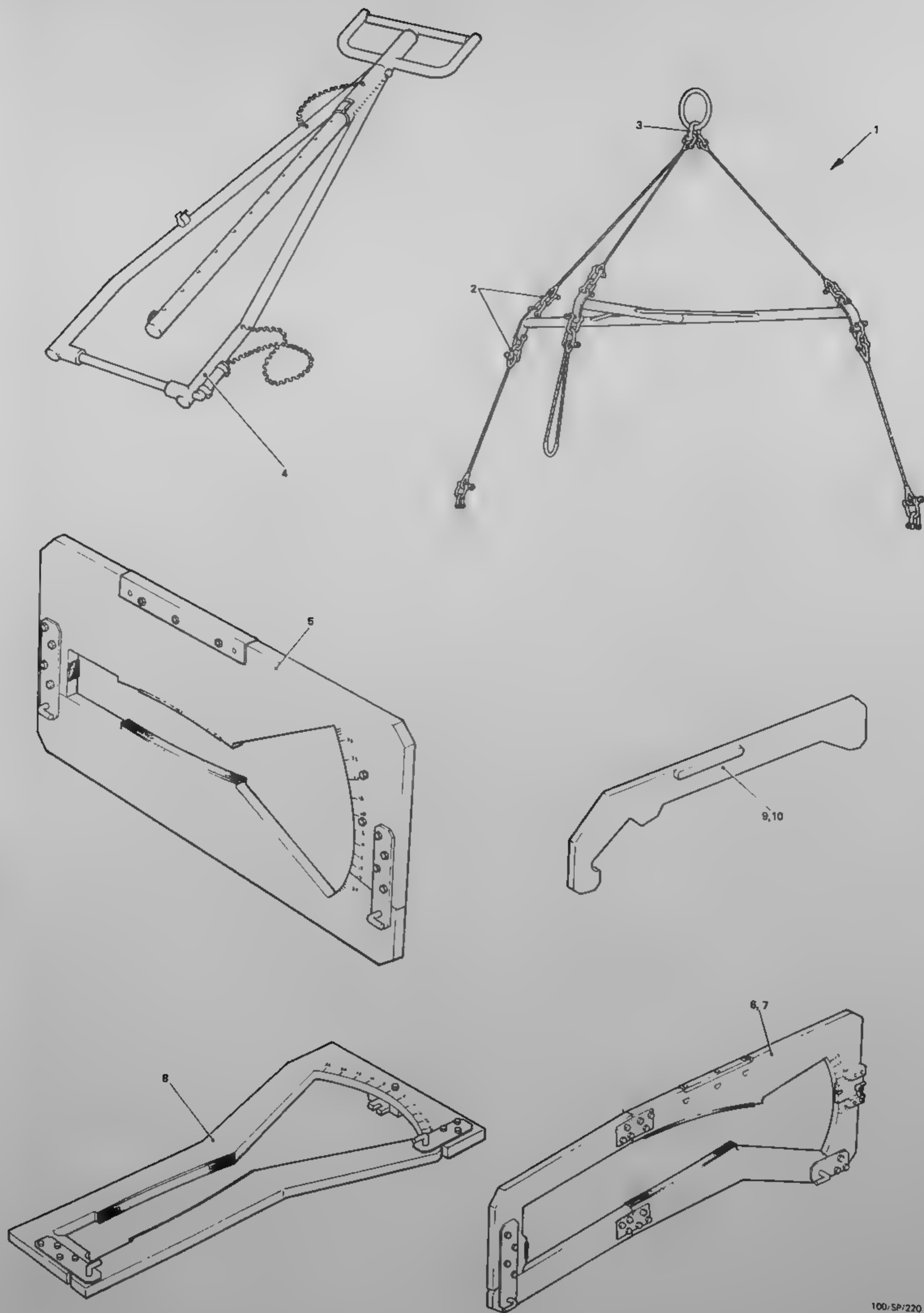
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GROUND SERVICING EQUIPMENT

Section 1

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100/SP/220

Fig 1 Ground servicing equipment

Ground Servicing
Equipment

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
1-	BH-88-155		Shedule of ground servicing equipment.....		RF
-1	BH-88-021		. Sling, aircraft.....		1
-2	M37		. . Shackle, 5/8 in. dia pin, 5/8 ton S.W.L. (John Adams).....		19
-3	M37		. . Shackle, 1 in. dia. pin, 2-1/4 ton S.W.L. (John Adams).....		1
-4	BH-88-013		. Bar. towing, and tail support.....		1
-5	BH-88-055		. Protactor, rigging, elevator and tab.....		1
-6	BH-88-025		. Protactor, rigging, aileron and flaps, LH.....		1
-7	BH-88-026		. Protactor, rigging, aileron and flaps, RH.....		1
-8	BH-88-069		. Protactor, rigging, rudder and tab.....		1
-9	BH-88-243		. Board, incidence, rigging, mainplane, str. 73.0.....		1
-10	BH-88-237		. Board, incidence, rigging, mainplane, str. 166.0.....		1

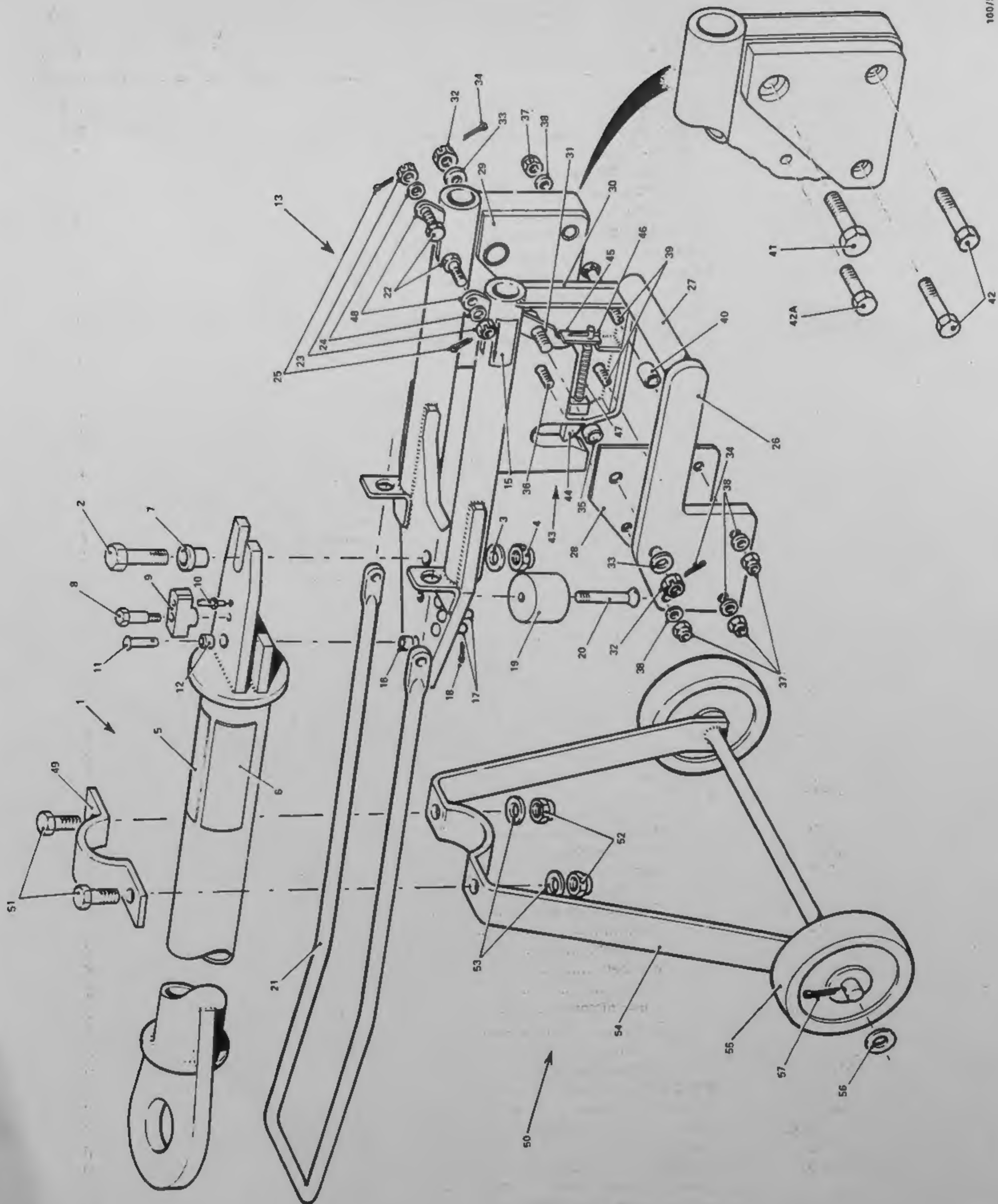


Fig. 2 Towing Arm Assembly

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
2-	BH-88-261		Towing arm assy, (Pre-Mod. 106).....		RF
	BH-88-277		Towing arm assy, (Mod. 106).....		RF
-1	BH-88-197B		. Tube assy.....		1
			Attaching parts		
-2	A102-8J		Bolt.....		1
-3	SP122-J		Washer.....		1
-4	A126-JT		Nut, stiff.....		1
-5	BH-88-249		. Label warning.....		1
-6	BH-88-217		. Label.....		1
-7	BH-88-213		. Bush.....		1
-8	BH-88-221		. Bolt, shouldered.....		1
-9	BH-88-211		. Turnbutton.....		1
-10	193-B-1		. Ballcatch (Fyfe and McGrouther).....		1
R -11	SP80-612		. Pin, shear.....		1
-12	BH-88-229		. Bush.....		1
-13	BH-88-203		. Plate assy, aft (Pre-Mod. 106).....		1
-14	BH-88-279		. Plate assy, aft (Mod. 106).....		1
-15	BH-88-209		. Label.....		1
-15A†	BH-88-210		. Label.....		1
-16	BH-88-231		. Bush.....		1
-17	BH-88-219		. Pin, shear (Spares for item 11).....		3
-18	SP90-C3		. Pin, split.....		3
-19	REF-23B		. Buffer, rubber (John Adams Ltd).....		1
-20	A173-10E		. Bolt.....		1
-21	BH-88-281		. Extension, latch lever.....		1
			Attaching parts		
-22	A102-4D		Bolt.....		2
-23	A105-DS		Nut, slotted.....		2
-24	SP122-D		Washer.....		2
-25	SP90-C5		Pin, split.....		2
-26	BH-88-263		. Guard arm assy.....		1
-27	BH-88-269		. . Hose, rubber.....		1
-28	BH-88-225		. Plate cover.....		2
-29	BH-88-289		. Guard.....		1
-30	BH-88-290		. Guard.....		1
			Attaching parts		
-31	A102-10E		Bolt.....		1
-32	A105-ES		Nut, slotted.....		2
-33	SP122-E		Washer.....		2
-34	SP90-C7		Pin, split.....		2
-35	AS2301-015		. Tube, distance.....		4
-36	A102-9D		Bolt.....		1
-37	A126-DT		Nut, stiff.....		6
-38	SP122-D		Washer.....		6
-39	A102-10D		Bolt.....		2
-40	AS2300-045		. Tube, distance.....		4
-41	A102-7E		Bolt.....		1
-42	A102-7D		Bolt.....		2
-42A	A102-5D		Bolt.....		1
-43	BH-88-205		. Shoot bolt assy.....		2
-44	BH-88-205A		. . Bolt, shoot.....		1
-45	BH-88-205C		. . Plate.....		1
46	SP28-E6		. . Pin, taper.....		1
-47	BH-88-227		. . Spring.....		1
48	BH-88-207		. Lever, release (Pre-Mod. 106).....		2
†	BH-88-287		. Lever, release (Mod. 106).....		2

† Item not illustrated

Ground Servicing
Equipment

Fig & Index	Part No.	1 2 3 4 5 6	Nomenclature	Usage Code	Units per Assy.
R 2-49	BH-88-285A		Top clamp.....		1
-50	BH-88-285		. Trolley assy.....		1
			Attaching parts		
-51	A102-6J		Bolt.....		2
-52	A125-J		Nut.....		2
-53	SP122-J		Washer.....		2
-54	BH-88-285B		. . Support, wheel.....		1
-55	4HR-125		. . Wheel (Geo. Boyd Ltd).....		2
-56	SP122-N		. . Washer.....		4
-57	SP90-E6		. . Pin, split.....		2